



Transformers





Contents Current Sense Transformers

PCA Part No.	Inductance (Mh Min.)	Tolerance	Turns Ratio	DCR (Ω Max.)	Length	Width	Height
EP151686	5	Min.	50	0.60	.670	.375	.800
EP151687A	20	Min.	100	1.20	.670	.375	.800
EP151688	80	Min.	200	4.00	.670	.375	.800
EP151717	5	Min.	50CT	0.60	.670	.375	.800
EP151718	20	Min.	100CT	1.20	.670	.375	.800
EP151719	80	Min.	200CT	4.00	.670	.375	.800
EPA3918	420	Min.	400	16.5	.670	.375	.800
EPC3108G-30	2.0	Min.	1:100	6.20	.330	.260	.210
EPC3108G-40	3.0	Min.	1:125	7.70	.330	.260	.210
EPC3108G-50	.180	Min.	1:30	1.00	.330	.260	.210
EPC3108G-70	.320	Min.	1:40	1.35	.330	.260	.210
EPC3108G-85	.500	Min.	1:50	2.50	.330	.260	.210
EPC3108G-100	.980	Min.	1:70	4.75	.330	.260	.210
EPC3108G-125	1.43	Min.	1:85	5.30	.330	.260	.210

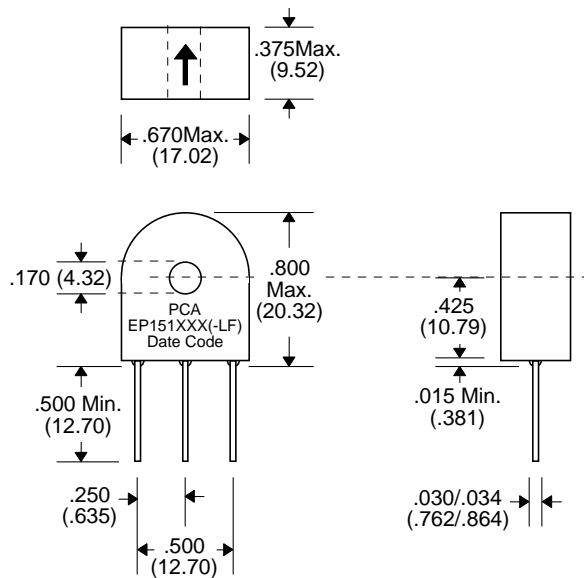
EP151XXX & EP151XXX-LF

- Frequency Range : 20 KHz to 50 KHz
- Test Conditions :
Termination : 50 , 100 & 200 for 1 Volt/Ampere Scaling
Peak Current Sense : 20 Amperes with 40% Duty Factor
- Add “-LF” after part number for Lead-Free

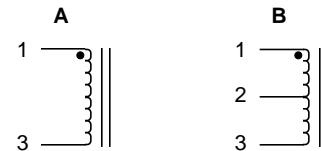
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) @ Pins 1 & 3	Turns (± 5%)	DCR (Max.) @ Pins 1 & 3	Schematic
EP151686(-LF)	5	50	0.6	A
EP151687A(-LF)	20	100	1.2	A
EP151688(-LF)	80	200	4.0	A
EP151717(-LF)	5	50 CT	0.6	B
EP151718(-LF)	20	100 CT	1.2	B
EP151719(-LF)	80	200 CT	4.0	B

Package



Schematic



Notes :		EP151XXX	EP151XXX-LF
1. Assembly Process (Solder Composition)	Leadframe :	SnPb or SnAg	Pb Free
	Assembly Solder :	SnAgCu	Pb Free
2. Peak Solder Rating (per IPC/JEDEC-JESD22-B106-B)		260°C 10 (+2/-0) seconds	260°C 10 (+2/-0) seconds
3. Weight	Grams :	TBD	TBD
4. Packaging Information	Tray :	TBD pieces	TBD pieces

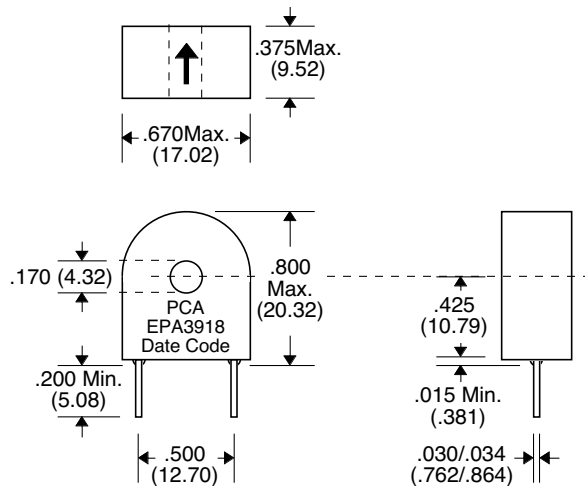
Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

- Frequency Range : 20 KHz to 200 KHz
- Test Conditions :
Termination : 50 Ω, 100 Ω & 200 Ω for 1 Volt/Ampere Scaling
Peak Current Sense : 20 Amperes with 40% Duty Factor

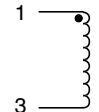
Electrical Parameters @ 25° C

Inductance (mH Min.) @ Pins 1 & 3	Turns (± 5%)	DCR (Ω Max.) @ Pins 1 & 3
420	400	16.5

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

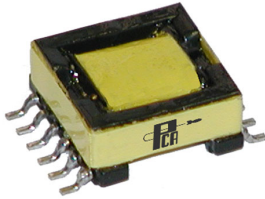


Contents

Surface Mount Power Transformers

PCA Part No.	Package	OCL (mH)	ET (V/μS)	DCR (% Max.)	IDC	Length	Width	Height
EPC3018G	EFD15SMT	131.8	62.5	.083	1.8	.709	.646	.315
EPC3019G	EFD15SMT	63.2	43.0	.057	2.17	.709	.646	.315
EPC3020G	EFD15SMT	23.7	43.0	.057	1.8	.709	.646	.315
EPC3021G	EFD15SMT	11.3	43.0	.057	2.17	.709	.646	.315
EPC3022G	EFD15SMT	12.7	62.5	.083	1.8	.709	.646	.315
EPC3023G	EFD15SMT	6.1	43.0	.057	2.17	.709	.646	.315
EPC3024G	EFD15SMT	10.1	62.5	.083	1.8	.709	.646	.315
EPC3025G	EFD15SMT	4.9	43.0	.057	2.17	.709	.646	.315
EPC3026G	EFD15SMT	7.94	62.5	.083	1.8	.709	.646	.315
EPC3027G	EFD15SMT	3.8	43.0	.057	2.17	.709	.646	.315
EPC3028G	EFD20SMT	173	98.0	.071	2.5	.835	.854	.425
EPC3029G	EFD20SMT	76.8	65.3	.047	3.06	.835	.854	.425
EPC3030G	EFD20SMT	22.3	98.0	.071	2.5	.835	.854	.425
EPC3031G	EFD20SMT	9.9	65.3	.047	3.06	.835	.854	.425
EPC3032G	EFD20SMT	12.0	98.0	.071	2.5	.835	.854	.425
EPC3033G	EFD20SMT	5.3	65.3	.047	3.06	.835	.854	.425
EPC3034G	EFD20SMT	9.65	98.0	.071	2.5	.835	.854	.425
EPC3035G	EFD20SMT	4.3	65.3	.047	3.06	.835	.854	.425
EPC3036G	EFD20SMT	7.63	98.0	.071	2.5	.835	.854	.425
EPC3037G	EFD20SMT	3.4	65.3	.047	3.06	.835	.854	.425
EPC3055G	EFD20SMT	27.4	113	.081	2.1	.835	.854	.425
EPC3067G	EFD20SMT	31.7	98.0	.070	1.6	.835	.854	.425
EPC3076G-1	EFD20SMT	27.4	33.0	.344	1.35	.508	.512	.244
EPC3076G-2	EFD20SMT	89.6	22.0	1.45	2.08	.508	.512	.244
EPC3076G-3	EFD20SMT	12.2	33.0	.344	1.35	.508	.512	.244
EPC3076G-4	EFD20SMT	6.5	22.0	.145	2.08	.508	.512	.244
EPC3076G-5	EFD20SMT	10.9	33.0	.344	1.35	.508	.512	.244
EPC3076G-6	EFD20SMT	4.9	33.0	.145	2.08	.508	.512	.244
EPC3076G-7	EFD20SMT	8.5	33.0	.344	1.35	.508	.512	.244
EPC3076G-8	EFD20SMT	63.8	22.0	1.45	2.08	.508	.512	.244
EPC3076G-9	EFD20SMT	201.6	33.0	.344	1.35	.508	.512	.244
EPC3076G-10	EFD20SMT	89.6	22.0	1.45	2.08	.508	.512	.244

EPC3018G-EPC3019G



Features of the EFD15-6 Series

- Selected models can be used in SMPS Forward, Push-Pull or Half & Full Bridge Topology
- UL1446 Class B Insulating System
- UL 94V-0 Recognized Material
- Very Low Core Loss Materials
- Very Low Leakage Inductance

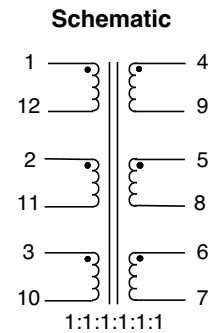
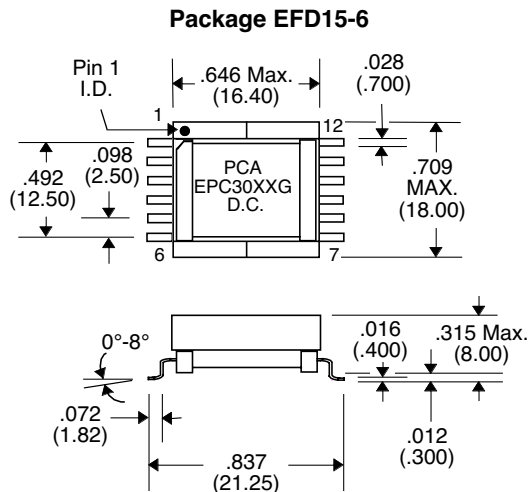
Primary Specification

Part Number	Connection	DCR (Ω Max.)	I _{rms} (Amps)	Inductance (μH ± 25%) @ 0 Adc	V _{t 1} (V-μSec. Max.)	Temp. Rise @ I _{rms} (°C Typ.)
EPC3018G	Series	.083 xNs	4.4 /Ks	131.8 x(Ns) 2	62.5 xNs	39
	Parallel	.083 /Np	4.4 /Kp	131.8	62.5	39
	Single Wdg	.083	1.8	131.8	62.5	39
EPC3019G	Series	.057xNs	5.3 /Ks	63.2 x(Ns) 2	43 xNs	39
	Parallel	.057 /Np	5.3 /Kp	63.2	43	39
	Single Wdg	.057	2.17	63.2	43	39

• Switching Frequency : Up to 1 MHz • Isolation : 500 Vrms •

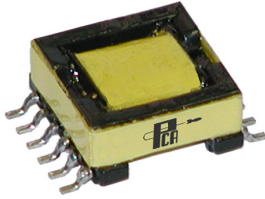
Notes :

1. Ns = Number of series connections
2. Np = Number of parallel connections
3. Ks = Ns x √6/Ns
4. Kp = √6/Np



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25

EPC3028G-EPC3029G



Features of the EFD20-6 Series

- Selected models can be used in SMPS Forward, Push-Pull or Half & Full Bridge Topology
- UL1446 Class B Insulating System
- UL 94V-0 Recognized Material
- Very Low Core Loss Materials
- Very Low Leakage Inductance

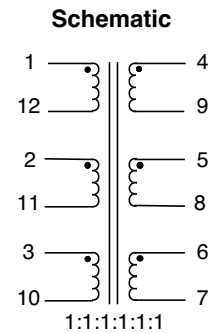
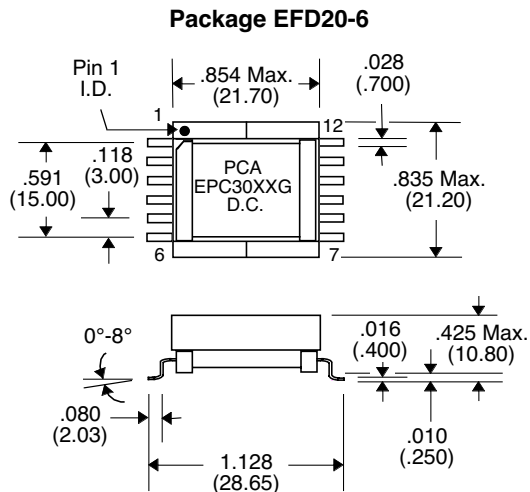
Primary Specification

Part Number	Connection	DCR (Ω Max.)	I _{rms} (Amps)	Inductance (μH ± 25%) @ 0 Adc	V _{t 1} (V-μSec. Max.)	Temp. Rise @ I _{rms} (°C Typ.)
EPC3028G	Series	.071 xNs	6.1 /Ks	173 x(Ns) 2	98 xNs	39
	Parallel	.071 /Np	6.1 /Kp	173	98	39
	Single Wdg	.071	2.5	173	98	39
EPC3029G	Series	.047xNs	7.5 /Ks	76.8 x(Ns) 2	65.3 xNs	39
	Parallel	.047 /Np	7.5 /Kp	76.8	65.3	39
	Single Wdg	.047	3.06	76.8	65.3	39

• Switching Frequency : Up to 1 MHz • Isolation : 500 Vrms •

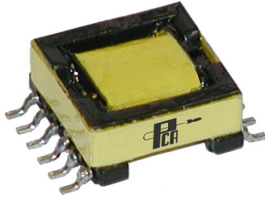
Notes :

1. N_s = Number of series connections
2. N_p = Number of parallel connections
3. K_s = N_s x √6/N_s
4. K_p = √6/N_p



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25

EPC3020G-EPC3027G



Features of the EFD15-6 Series

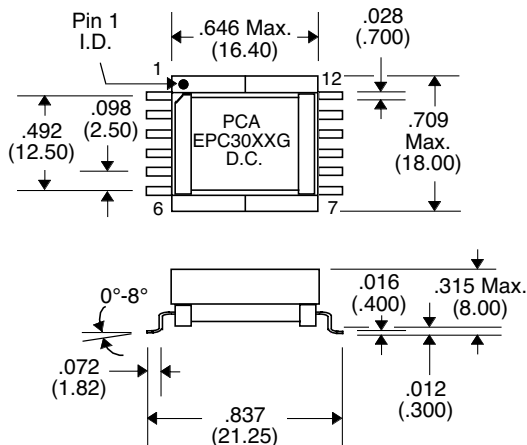
- Low Loss Material ensures operation in High Frequency Switching Converters such as Flyback, Buck, Boost Topology or as Coupled Inductors
- UL1446 Class B Insulating System
- UL 94V-0 Recognized Material
- Very Low Leakage Inductance

Primary Specification

Part Number	Connection	DCR (Ω Max.)	Idc (Amps)	Inductance (μH ± 20%) @ 0 Adc	Inductance Change @ Idc (Typ.)	Vt 1 (V-μSec. Max.)	Temp. Rise @ Idc (°C Typ.)
EPC3020G	Series	.083 xNs	2.6 /Ks	23.7 x(Ns) 2	28%	62.5 xNs	20
	Parallel	.083 /Np	2.6 /Kp	23.7	28%	62.5	20
	Single Wdg	.083	1.8	23.7	6%	62.5	39
EPC3021G	Series	.057xNs	3.6 /Ks	11.3 x(Ns) 2	26%	43 xNs	24
	Parallel	.057 /Np	3.6 /Kp	11.3	26%	43	24
	Single Wdg	.057	2.17	11.3	4%	43	39
EPC3022G	Series	.083 xNs	4.4 /Ks	12.7 x(Ns) 2	6.5%	62.5 xNs	39
	Parallel	.083 /Np	4.4 /Kp	12.7	6.5%	62.5	39
	Single Wdg	.083	1.8	12.7	0%	62.5	39
EPC3023G	Series	.057xNs	5.3 /Ks	6.1 x(Ns) 2	3%	43 xNs	39
	Parallel	.057 /Np	5.3 /Kp	6.1	3%	43	39
	Single Wdg	.057	2.17	6.1	0%	43	39
EPC3024G	Series	.083 xNs	4.4 /Ks	10.1 x(Ns) 2	2%	62.5 xNs	39
	Parallel	.083 /Np	4.4 /Kp	10.1	2%	62.5	39
	Single Wdg	.083	1.8	10.1	0%	62.5	39
EPC3025G	Series	.057xNs	5.3 /Ks	4.9 x(Ns) 2	0.5%	43 xNs	39
	Parallel	.057 /Np	5.3 /Kp	4.9	0.5%	43	39
	Single Wdg	.057	2.17	4.9	0%	43	39
EPC3026G	Series	.083 xNs	4.4 /Ks	7.94 x(Ns) 2	0%	62.5 xNs	39
	Parallel	.083 /Np	4.4 /Kp	7.94	0%	62.5	39
	Single Wdg	.083	1.8	7.94	0%	62.5	39
EPC3027G	Series	.057xNs	5.3 /Ks	3.8 x(Ns) 2	0%	43 xNs	39
	Parallel	.057 /Np	5.3 /Kp	3.8	0%	43	39
	Single Wdg	.057	2.17	3.8	0%	43	39

• Switching Frequency : Up to 1 MHz • Isolation : 500 Vrms •

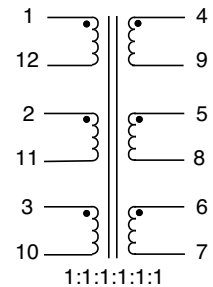
Package EFD15-6



Notes :

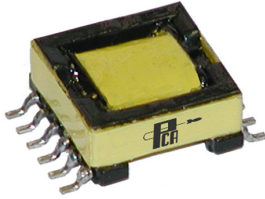
1. Ns = Number of series connections
2. Np = Number of parallel connections
3. Ks = Ns x √6/Ns
4. Kp = √6/Np

Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPC3030G-EPC3107G



Features of the EFD20-6 Series

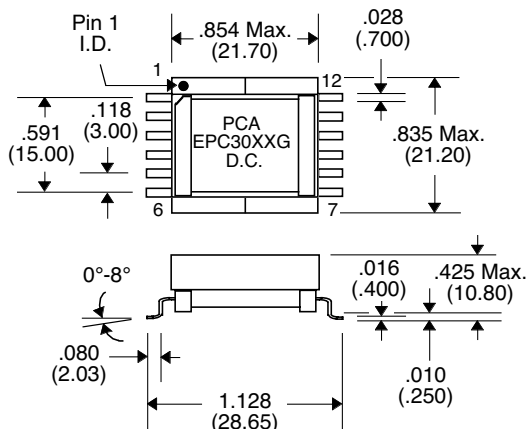
- Low Loss Material ensures operation in High Frequency Switching Converters such as Flyback, Buck, Boost Topology or as Coupled Inductors
- UL1446 Class B Insulating System
- UL 94V-0 Recognized Material
- Very Low Leakage Inductance

Primary Specification

Part Number	Connection	DCR (Ω Max.)	Idc (Amps)	Inductance (μH ± 20%) @ 0 Adc	Inductance Change @ Idc (Typ.)	Vt 1 (V-μSec. Max.)	Temp. Rise @ Idc (°C Typ.)
EPC3030G	Series	.071 xNs	6.1 /Ks	22.3 x(Ns) 2	27%	98 xNs	39
	Parallel	.071 /Np	6.1 /Kp	22.3	27%	98	39
	Single Wdg	.071	2.5	22.3	7.5%	98	39
EPC3031G	Series	.047xNs	7.5 /Ks	9.9 x(Ns) 2	21%	65.3 xNs	39
	Parallel	.047 /Np	7.5 /Kp	9.9	21%	65.3	39
	Single Wdg	.047	3.06	9.9	9%	65.3	39
EPC3032G	Series	.071 xNs	6.1 /Ks	12.0 x(Ns) 2	1%	98 xNs	39
	Parallel	.071 /Np	6.1 /Kp	12.0	1%	98	39
	Single Wdg	.071	2.5	12.0	0%	98	39
EPC3033G	Series	.047 xNs	7.5 /Ks	5.3 x(Ns) 2	0.4%	65.3 xNs	39
	Parallel	.047 /Np	7.5 /Kp	5.3	0.4%	65.3	39
	Single Wdg	.047	3.06	5.3	0%	65.3	39
EPC3034G	Series	.071 xNs	6.1 /Ks	9.65 x(Ns) 2	0%	98 xNs	39
	Parallel	.071 /Np	6.1 /Kp	9.65	0%	98	39
	Single Wdg	.071	2.5	9.65	0%	98	39
EPC3035G	Series	.047 xNs	7.5 /Ks	4.3 x(Ns) 2	0%	65.3 xNs	39
	Parallel	.047 /Np	7.5 /Kp	4.3	0%	65.3	39
	Single Wdg	.047	3.06	4.3	0%	65.3	39
EPC3036G	Series	.071 xNs	6.1 /Ks	7.63 x(Ns) 2	0%	98 xNs	39
	Parallel	.071 /Np	6.1 /Kp	7.63	0%	98	39
	Single Wdg	.071	2.5	7.63	0%	98	39
EPC3037G	Series	.047xNs	7.5 /Ks	3.4 x(Ns) 2	0%	65.3 xNs	39
	Parallel	.047 /Np	7.5 /Kp	3.4	0%	65.3	39
	Single Wdg	.047	3.06	3.4	0%	65.3	39
EPC3055G	Series	.081xNs	5.2 /Ks	27.4 x(Ns) 2	14%	113 xNs	34
	Parallel	.081 /Np	5.2 /Kp	27.4	14%	113	34
	Single Wdg	.081	2.1	27.4	2%	113	34
EPC3067G	Series	.071 xNs	4.0 /Ks	31.7 x(Ns) 2	23%	98 xNs	23
	Parallel	.071 /Np	4.0 /Kp	31.7	23%	98	23
	Single Wdg	.071	1.6	31.7	2%	98	23
EPC3107G	Series	.071 xNs	2.2 /Ks	50.0 x(Ns) 2	30%	98 xNs	14.4
	Parallel	.071 /Np	2.2 /Kp	50.0	30%	98	14.4
	Single Wdg	.071	0.9	50.0	2%	98	14.4

• Switching Frequency : Up to 1 MHz • Isolation : 500 Vrms •

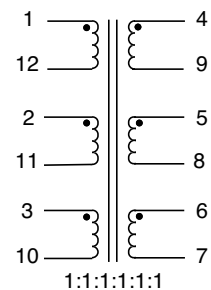
Package EFD20-6



Notes :

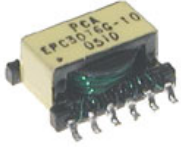
1. Ns = Number of series connections
2. Np = Number of parallel connections
3. Ks = $Ns \times \sqrt{6/Ns}$
4. Kp = $\sqrt{6/Np}$

Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25

EPC3076G-X



Features of the ER 11-6 Series

- Low Loss Material ensures operation in High Frequency Switching Converters such as Flyback, Buck, Boost Topology or as Coupled Inductors†
- Selected models can be used in Forward, Push-Pull or Half & Full Bridge Topology††
- Very Low Leakage Inductance
- 500 Vrms Isolations

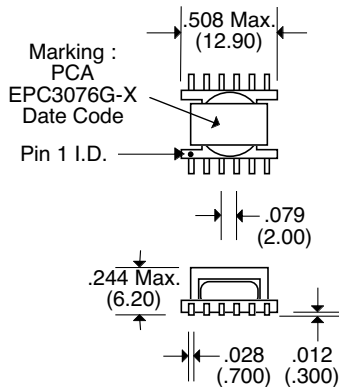
Primary Specification : † For Flyback, Buck, Boost Topology or as Coupled Inductors

Part Number	Connection	DCR (Ω Max.)	Idc † (Amps)	Inductance (μH ± 20%) † @ 0 Adc	Inductance Change @ Idc (Typ.)	Vt 1 (V-μSec. Max.)	Temp. Rise @ Idc † (°C Typ.)
EPC3076G-1	Series	.344 xNs	1.35 /Ks	27.4 x(Ns) 2	14%	33 xNs	62
	Parallel	.344 /Np	1.35 /Kp	27.4	14%	33	62
	Single Wdg	.344	.55	27.4	1%	33	62
EPC3076G-2	Series	.145xNs	2.08 /Ks	12.2 x(Ns) 2	14%	22 xNs	62
	Parallel	.145 /Np	2.08 /Kp	12.2	14%	22	62
	Single Wdg	.145	.85	12.2	1%	22	62
EPC3076G-3	Series	.344 xNs	1.35 /Ks	14.7 x(Ns) 2	0%	33 xNs	62
	Parallel	.344 /Np	1.35 /Kp	14.7	0%	33	62
	Single Wdg	.344	.55	14.7	0%	33	62
EPC3076G-4	Series	.145xNs	2.08 /Ks	6.5 x(Ns) 2	0%	22 xNs	62
	Parallel	.145 /Np	2.08 /Kp	6.5	0%	22	62
	Single Wdg	.145	.85	6.5	0%	22	62
EPC3076G-5	Series	.344 xNs	1.35 /Ks	10.9 x(Ns) 2	0%	33 xNs	62
	Parallel	.344 /Np	1.35 /Kp	10.9	0%	33	62
	Single Wdg	.344	.55	10.9	0%	33	62
EPC3076G-6	Series	.145xNs	2.08 /Ks	4.9 x(Ns) 2	0%	22 xNs	62
	Parallel	.145 /Np	2.08 /Kp	4.9	0%	22	62
	Single Wdg	.145	.85	4.9	0%	22	62
EPC3076G-7	Series	.344 xNs	1.35 /Ks	8.5 x(Ns) 2	0%	33 xNs	62
	Parallel	.344 /Np	1.35 /Kp	8.5	0%	33	62
	Single Wdg	.344	.55	8.5	0%	33	62
EPC3076G-8	Series	.145xNs	2.08 /Ks	3.8 x(Ns) 2	0%	22 xNs	62
	Parallel	.145 /Np	2.08 /Kp	3.8	0%	22	62
	Single Wdg	.145	.85	3.8	0%	22	62

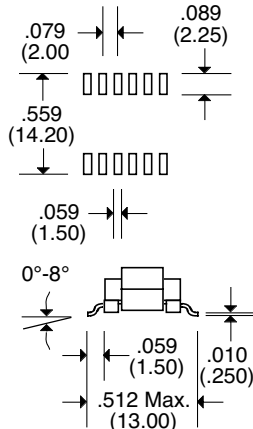
Primary Specification : †† For Forward, Push-Pull, Half & Full Bridge Topology

Part Number	Connection	DCR (Ω Max.)	Irms ††	Inductance (μH ± 30%) ††	Temp. Rise @ Irms ††
EPC3076G-9	Series	.344 xNs	1.35 /Ks	201.6 x(Ns) 2	62
	Parallel	.344 /Np	1.35 /Kp	201.6	62
	Single Wdg	.344	.55	201.6	62
EPC3076G-10	Series	.145xNs	2.08 /Ks	89.6 x(Ns) 2	62
	Parallel	.145 /Np	2.08 /Kp	89.6	62
	Single Wdg	.145	.85	89.6	62

Package ER 11-6



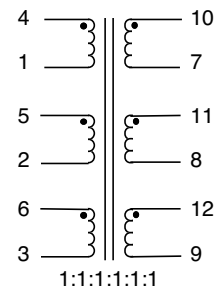
Solder Pad Layout



Notes :

1. Ns = Number of series connections
2. Np = Number of parallel connections
3. Ks = Ns x √6/Ns
4. Kp = √6/Np

Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25

EPC3108G-XXX



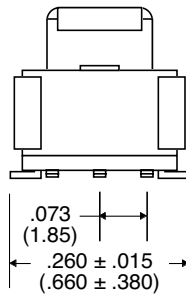
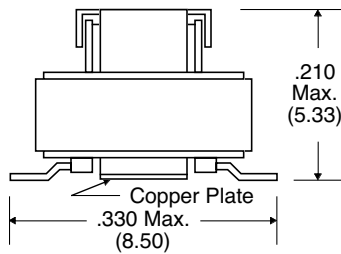
- Designed for Switching Supply-Current Sense Applications
- UL1446 Class B Insulating System
- UL94V0 Recognized Materials
- Class B 130°C Insulation System
- Operating Temperature : -25°C to +105°C
- Optimal Performance at 250 KHz and above

Electrical Parameters @ 25° C

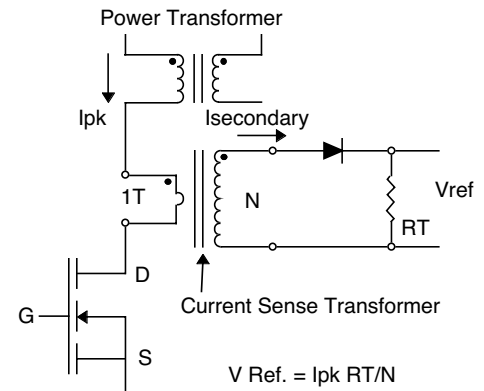
PCA Part Number	Turns Ratio (Pri. to Sec.)	Inductance (μ H Min.) @ 10 KHz	Secondary DCR (Ω Max.)	Primary (Amps Max.)	Insulation Resistance (meg Ω Min.)	Vt (V- μ Sec. Max.)
EPC3108G-125	1:125	3000	7.70	6.0	10	92.5
EPC3108G-100	1:100	2000	6.20	6.0	10	75.0
EPC3108G-85	1:85	1430	5.30	6.0	10	62.5
EPC3108G-70	1:70	980	4.75	6.0	10	52.5
EPC3108G-50	1:50	500	2.50	6.0	10	27.5
EPC3108G-40	1:40	320	1.35	6.0	10	30.0
EPC3108G-30	1:30	180	1.00	6.0	10	22.5

• Note : Clamp cover is optional •

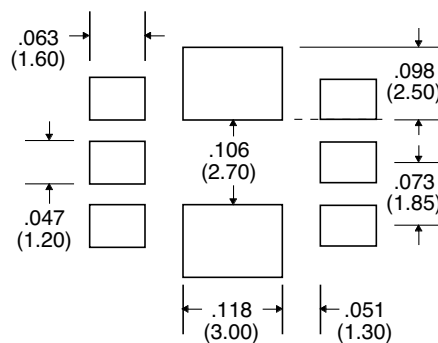
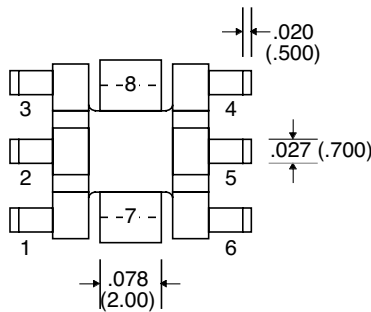
Package



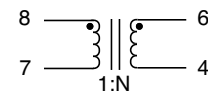
Application Circuit



Recommended Pad Layout



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25



Contents

Off Line PC Mount Power Transformers

PCA Part No.	E pri (Par. / Ser.)	E Sec (Par.)	E sec (Serial)	Sec Current (A-rms Par.)	Sec Current (A-rms Ser.)	VA	Length	Width	Height
EPC3078-1	115 / 230	5.0	10	.500	.250	2.5	1.630	1.440	1.130
EPC3078-2	115 / 230	6.3	12.6	.400	.200	2.5	1.630	1.440	1.130
EPC3078-3	115 / 230	8.0	16	.310	.155	2.5	1.630	1.440	1.130
EPC3078-4	115 / 230	10	20	.250	.125	2.5	1.630	1.440	1.130
EPC3078-5	115 / 230	12	24	.210	.105	2.5	1.630	1.440	1.130
EPC3078-6	115 / 230	14	28	.180	.090	2.5	1.630	1.440	1.130
EPC3078-7	115 / 230	18	36	.140	.070	2.5	1.630	1.440	1.130
EPC3079-1	115 / 230	5.0	10	1.00	.500	5.0	1.630	1.440	1.380
EPC3079-2	115 / 230	6.3	16.6	0.82	.410	5.0	1.630	1.440	1.380
EPC3079-3	115 / 230	8.0	16	0.62	.310	5.0	1.630	1.440	1.380
EPC3079-4	115 / 230	10	20	0.50	.250	5.0	1.630	1.440	1.380
EPC3079-5	115 / 230	12	24	0.42	.210	5.0	1.630	1.440	1.380
EPC3079-6	115 / 230	14	28	0.36	.080	5.0	1.630	1.440	1.380
EPC3079-7	115 / 230	18	36	0.28	.140	5.0	1.630	1.440	1.380
EPC3080-1	115 / 230	5.0	10	2.00	1.00	10	1.880	1.560	1.380
EPC3080-2	115 / 230	6.3	12.6	1.60	.800	10	1.880	1.560	1.380
EPC3080-3	115 / 230	8.0	16	1.25	.625	10	1.880	1.560	1.380
EPC3080-4	115 / 230	10	20	1.00	.500	10	1.880	1.560	1.380
EPC3080-5	115 / 230	12	24	0.84	.420	10	1.880	1.560	1.380
EPC3080-6	115 / 230	14	28	0.73	.360	10	1.880	1.560	1.380
EPC3080-7	115 / 230	18	36	0.50	.250	10	1.880	1.560	1.380
EPC3081-1	115 / 230	5.0	10	4.00	2.00	20	2.250	1.880	1.380
EPC3081-2	115 / 230	6.3	12.6	3.20	1.60	20	2.250	1.880	1.380
EPC3081-3	115 / 230	8.0	16	2.50	1.25	20	2.250	1.880	1.380
EPC3081-4	115 / 230	10	20	2.00	1.00	20	2.250	1.880	1.380
EPC3081-5	115 / 230	12	24	1.66	.830	20	2.250	1.880	1.380
EPC3081-6	115 / 230	14	28	1.44	.720	20	2.250	1.880	1.380
EPC3081-7	115 / 230	18	36	1.12	.526	20	2.250	1.880	1.380
EPC3089-1	115	5.0	10	0.22	.110	1.1	1.370	1.120	.930
EPC3089-2	115	6.3	12.6	0.58	.290	1.1	1.370	1.120	.930
EPC3089-3	115	8.0	16	0.14	.070	1.1	1.370	1.120	.930
EPC3089-4	115	10	20	0.11	.055	1.1	1.370	1.120	.930
EPC3089-5	115	12	24	0.09	.045	1.1	1.370	1.120	.930
EPC3089-6	115	14	28	0.08	.040	1.1	1.370	1.120	.930
EPC3089-7	115	18	36	0.06	.030	1.1	1.370	1.120	.930
EPC3089-8	115	24	48	0.046	.023	1.1	1.370	1.120	.930

EPC3089-9	115	28	56	0.04	.020	1.1	1.370	1.120	.930
EPC3089-10	115	60	120	2.02	1.01	1.1	1.370	1.120	.930
EPC3090-1	115	5.0	10	0.50	.250	2.4	1.370	1.120	1.180
EPC3090-2	115	6.3	12.6	0.40	.200	2.4	1.370	1.120	1.180
EPC3090-3	115	8.0	16	0.30	.150	2.4	1.370	1.120	1.180
EPC3090-4	115	10	20	0.24	.120	2.4	1.370	1.120	1.180
EPC3090-5	115	12	24	0.20	.010	2.4	1.370	1.120	1.180
EPC3090-6	115	14	28	0.17	.0825	2.4	1.370	1.120	1.180
EPC3090-7	115	18	36	0.13	.650	2.4	1.370	1.120	1.180
EPC3090-8	115	24	48	0.10	.050	2.4	1.370	1.120	1.180
EPC3090-9	115	28	56	0.09	.045	2.4	1.370	1.120	1.180
EPC3090-10	115	60	120	0.04	.020	2.4	1.370	1.120	1.180
EPC3091-1	115	5.0	10	1.20	.600	6	1.620	1.310	1.310
EPC3091-2	115	6.3	12.6	1.00	.500	6	1.620	1.310	1.310
EPC3091-3	115	8.0	16	0.80	.400	6	1.620	1.310	1.310
EPC3091-4	115	10	20	0.60	.300	6	1.620	1.310	1.310
EPC3091-5	115	12	24	0.50	.250	6	1.620	1.310	1.310
EPC3091-6	115	14	28	.040	.200	6	1.620	1.310	1.310
EPC3091-7	115	18	36	.034	.170	6	1.620	1.310	1.310
EPC3091-8	115	24	48	.025	.125	6	1.620	1.310	1.310
EPC3091-9	115	28	56	0.22	.110	6	1.620	1.310	1.310
EPC3091-10	115	60	120	0.10	.050	6	1.620	1.310	1.310
EPC3092-1	115	5.0	10	2.40	1.20	12	1.870	1.560	1.430
EPC3092-2	115	6.3	12.6	2.20	1.00	12	1.870	1.560	1.430
EPC3092-3	115	8.0	16	1.60	.800	12	1.870	1.560	1.430
EPC3092-4	115	10	20	1.20	.600	12	1.870	1.560	1.430
EPC3092-5	115	12	24	1.00	.500	12	1.870	1.560	1.430
EPC3092-6	115	14	28	0.84	.420	12	1.870	1.560	1.430
EPC3092-7	115	18	36	0.70	.350	12	1.870	1.560	1.430
EPC3092-8	115	24	48	0.50	.250	12	1.870	1.560	1.430
EPC3092-9	115	28	56	0.44	.220	12	1.870	1.560	1.430
EPC3092-10	115	60	120	0.60	.300	12	1.870	1.560	1.430
EPC3093-1	115	5.0	10	4.00	2.00	20	2.250	1.870	1.430
EPC3093-2	115	6.3	12.6	3.20	1.60	20	2.250	1.870	1.430
EPC3093-3	115	8.0	16	2.50	1.25	20	2.250	1.870	1.430
EPC3093-4	115	10	20	2.00	1.00	20	2.250	1.870	1.430
EPC3093-5	115	12	24	1.60	.800	20	2.250	1.870	1.430
EPC3093-6	115	14	28	1.40	.700	20	2.250	1.870	1.430
EPC3093-7	115	18	36	1.10	.550	20	2.250	1.870	1.430
EPC3093-8	115	24	48	.800	.400	20	2.250	1.870	1.430
EPC3093-9	115	28	56	.350	.350	20	2.250	1.870	1.430
EPC3093-10	115	60	120	.320	.160	20	2.250	1.870	1.430
EPC3094-1	115	5.0	10	7.20	3.60	36	2.620	2.180	1.560

EPC3094-2	115	6.3	12.6	5.70	2.85	36	2.620	2.180	1.560
EPC3094-3	115	8.0	16	4.50	2.25	36	2.620	2.180	1.560
EPC3094-4	115	10	20	3.60	1.80	36	2.620	2.180	1.560
EPC3094-5	115	12	24	3.00	1.50	36	2.620	2.180	1.560
EPC3094-6	115	14	28	2.60	1.30	36	2.620	2.180	1.560
EPC3094-7	115	18	36	2.00	1.00	36	2.620	2.180	1.560
EPC3094-8	115	24	48	1.50	.750	36	2.620	2.180	1.560
EPC3094-9	115	28	56	1.30	.650	36	2.620	2.180	1.560
EPC3094-10	115	60	120	0.60	.300	36	2.620	2.180	1.560
EPC3095-1	115	5.0	10	0.22	0.11	1.1	1.370	1.120	.930
EPC3095-2	115	6.3	12.6	0.58	.09	1.1	1.370	1.120	.930
EPC3095-3	115	8.0	16	0.14	0.7	1.1	1.370	1.120	.930
EPC3095-4	115	10	20	0.11	0.55	1.1	1.370	1.120	.930
EPC3095-5	115	12	24	0.09	0.45	1.1	1.370	1.120	.930
EPC3095-6	115	14	28	0.08	0.04	1.1	1.370	1.120	.930
EPC3095-7	115	18	36	0.06	0.03	1.1	1.370	1.120	.930
EPC3095-8	115	24	48	0.046	0.023	1.1	1.370	1.120	.930
EPC3095-9	115	28	56	0.04	0.02	1.1	1.370	1.120	.930
EPC3095-10	115	60	120	0.02	0.01	1.1	1.370	1.120	.930
EPC3096-1	115	5.0	10	0.50	0.25	2.4	1.370	1.120	1.180
EPC3096-2	115	6.3	12.6	0.40	0.20	2.4	1.370	1.120	1.180
EPC3096-3	115	8.0	16	0.30	0.15	2.4	1.370	1.120	1.180
EPC3096-4	115	10	20	0.24	0.12	2.4	1.370	1.120	1.180
EPC3096-5	115	12	24	0.20	0.10	2.4	1.370	1.120	1.180
EPC3096-6	115	14	28	0.17	0.085	2.4	1.370	1.120	1.180
EPC3096-7	115	18	36	0.13	0.065	2.4	1.370	1.120	1.180
EPC3096-8	115	24	48	0.10	.050	2.4	1.370	1.120	1.180
EPC3096-9	115	28	56	0.09	.045	2.4	1.370	1.120	1.180
EPC3096-10	115	60	120	0.04	.020	2.4	1.370	1.120	1.180
EPC3097-1	115	5.0	10	1.20	.600	6	1.620	1.310	1.180
EPC3097-2	115	6.3	12.6	1.00	.500	6	1.620	1.310	1.180
EPC3097-3	115	8.0	16	0.80	.400	6	1.620	1.310	1.180
EPC3097-4	115	10	20	0.60	.300	6	1.620	1.310	1.180
EPC3097-5	115	12	24	0.50	.250	6	1.620	1.310	1.180
EPC3097-6	115	14	28	0.40	.200	6	1.620	1.310	1.180
EPC3097-7	115	18	36	0.34	.170	6	1.620	1.310	1.180
EPC3097-8	115	24	48	0.25	.125	6	1.620	1.310	1.180
EPC3097-9	115	28	56	0.22	.110	6	1.620	1.310	1.180
EPC3097-10	115	60	120	0.10	.050	6	1.620	1.310	1.180
EPC3098-1	115	5.0	10	2.40	1.20	12	1.870	1.560	1.430
EPC3098-2	115	6.3	12.6	2.20	1.00	12	1.870	1.560	1.430
EPC3098-3	115	8.0	16	1.60	.800	12	1.870	1.560	1.430
EPC3098-4	115	10	20	1.20	.600	12	1.870	1.560	1.430

EPC3098-5	115	12	24	1.00	.500	12	1.870	1.560	1.430
EPC3098-6	115	14	28	0.84	.420	12	1.870	1.560	1.430
EPC3098-7	115	18	36	0.70	.350	12	1.870	1.560	1.430
EPC3098-8	115	24	48	0.50	.250	12	1.870	1.560	1.430
EPC3098-9	115	28	56	0.44	.220	12	1.870	1.560	1.430
EPC3098-10	115	60	120	0.60	.300	12	1.870	1.560	1.430
EPC3099-1	115	5.0	10	4.00	2.00	20	2.250	1.870	1.430
EPC3099-2	115	6.3	12.6	3.20	1.60	20	2.250	1.870	1.430
EPC3099-3	115	8.0	16	2.50	1.25	20	2.250	1.870	1.430
EPC3099-4	115	10	20	2.00	1.00	20	2.250	1.870	1.430
EPC3099-5	115	12	24	1.60	.800	20	2.250	1.870	1.430
EPC3099-6	115	14	28	1.40	.700	20	2.250	1.870	1.430
EPC3099-7	115	18	36	1.10	.550	20	2.250	1.870	1.430
EPC3099-8	115	24	48	.800	.400	20	2.250	1.870	1.430
EPC3099-9	115	28	56	.700	.350	20	2.250	1.870	1.430
EPC3099-10	115	60	120	.320	.160	20	2.250	1.870	1.430
EPC3100-1	115	5.0	10	7320	3.60	36	2.620	2.180	1.560
EPC3100-2	115	6.3	12.6	5.70	2.85	36	2.620	2.180	1.560
EPC3100-3	115	8.0	16	4.50	2.25	36	2.620	2.180	1.560
EPC3100-4	115	10	20	3.60	1.80	36	2.620	2.180	1.560
EPC3100-5	115	12	24	3.00	1.50	36	2.620	2.180	1.560
EPC3100-6	115	14	28	2.60	1.30	36	2.620	2.180	1.560
EPC3100-7	115	18	36	2.00	1.00	36	2.620	2.180	1.560
EPC3100-8	115	24	48	1.50	.750	36	2.620	2.180	1.560
EPC3100-9	115	28	56	1.30	.650	36	2.620	2.180	1.560
EPC3100-10	115	60	120	0.60	.300	36	2.620	2.180	1.560

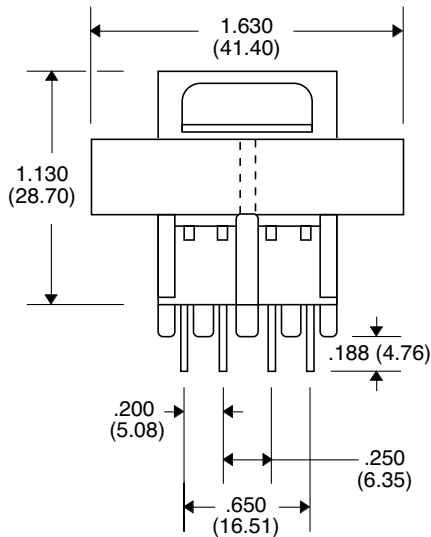
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

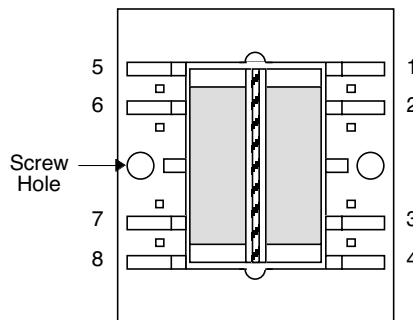
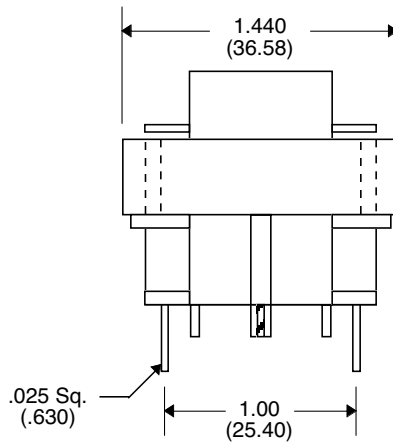
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3078-1	115	230	5.0	10	.500	.250	2.5
EPC3078-2	115	230	6.3	12.6	.400	.200	2.5
EPC3078-3	115	230	8.0	16	.310	.150	2.5
EPC3078-4	115	230	10	20	.250	.120	2.5
EPC3078-5	115	230	12	24	.210	.100	2.5
EPC3078-6	115	230	14	28	.180	.090	2.5
EPC3078-7	115	230	18	36	.140	.070	2.5

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 4000 Vrms •

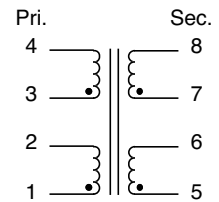
Package



Mounting Screw Size #4
(Qty. : 2)



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

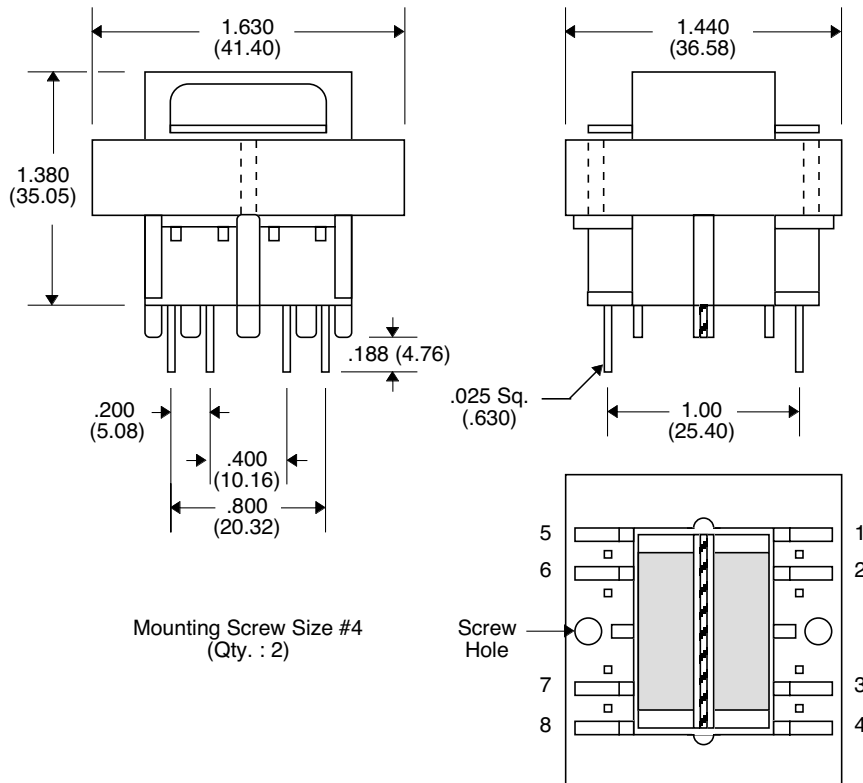
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

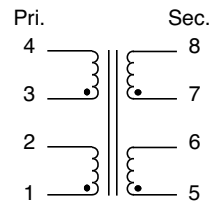
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3079-1	115	230	5.0	10	1.0	.500	5.0
EPC3079-2	115	230	6.3	12.6	0.82	.400	5.0
EPC3079-3	115	230	8.0	16	0.62	.310	5.0
EPC3079-4	115	230	10	20	0.50	.250	5.0
EPC3079-5	115	230	12	24	0.42	.210	5.0
EPC3079-6	115	230	14	28	0.36	.180	5.0
EPC3079-7	115	230	18	36	0.28	.140	5.0

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 4000 Vrms •

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

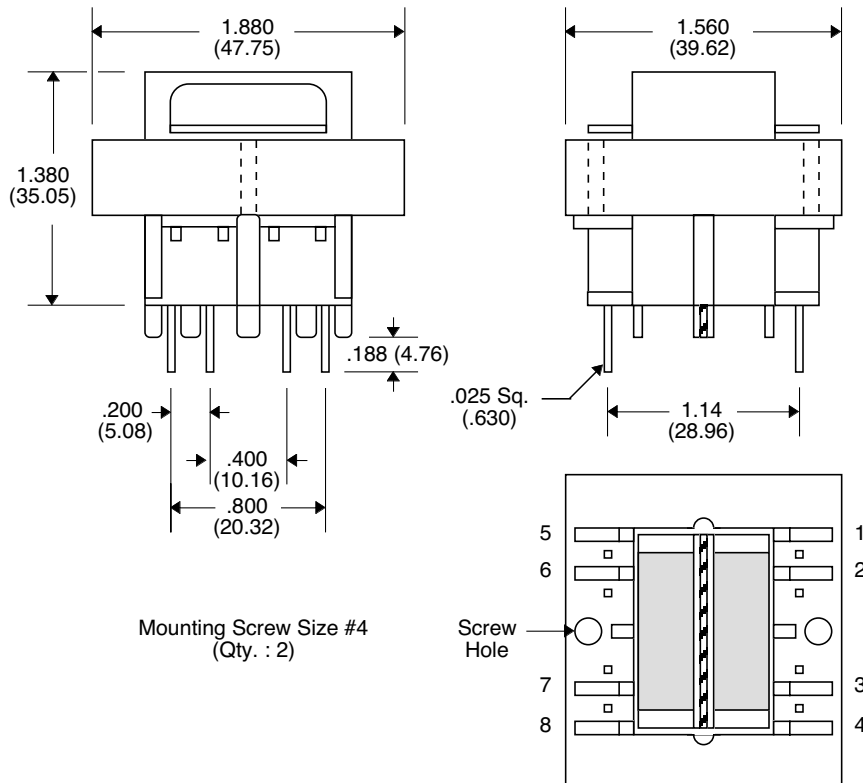
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

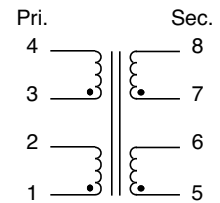
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3080-1	115	230	5.0	10	2.00	1.00	10
EPC3080-2	115	230	6.3	12.6	1.60	0.80	10
EPC3080-3	115	230	8.0	16	1.25	0.62	10
EPC3080-4	115	230	10	20	1.00	0.50	10
EPC3080-5	115	230	12	24	0.84	0.42	10
EPC3080-6	115	230	14	28	0.73	0.36	10
EPC3080-7	115	230	18	36	0.50	0.28	10

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 4000 Vrms •

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

EPC3081-X

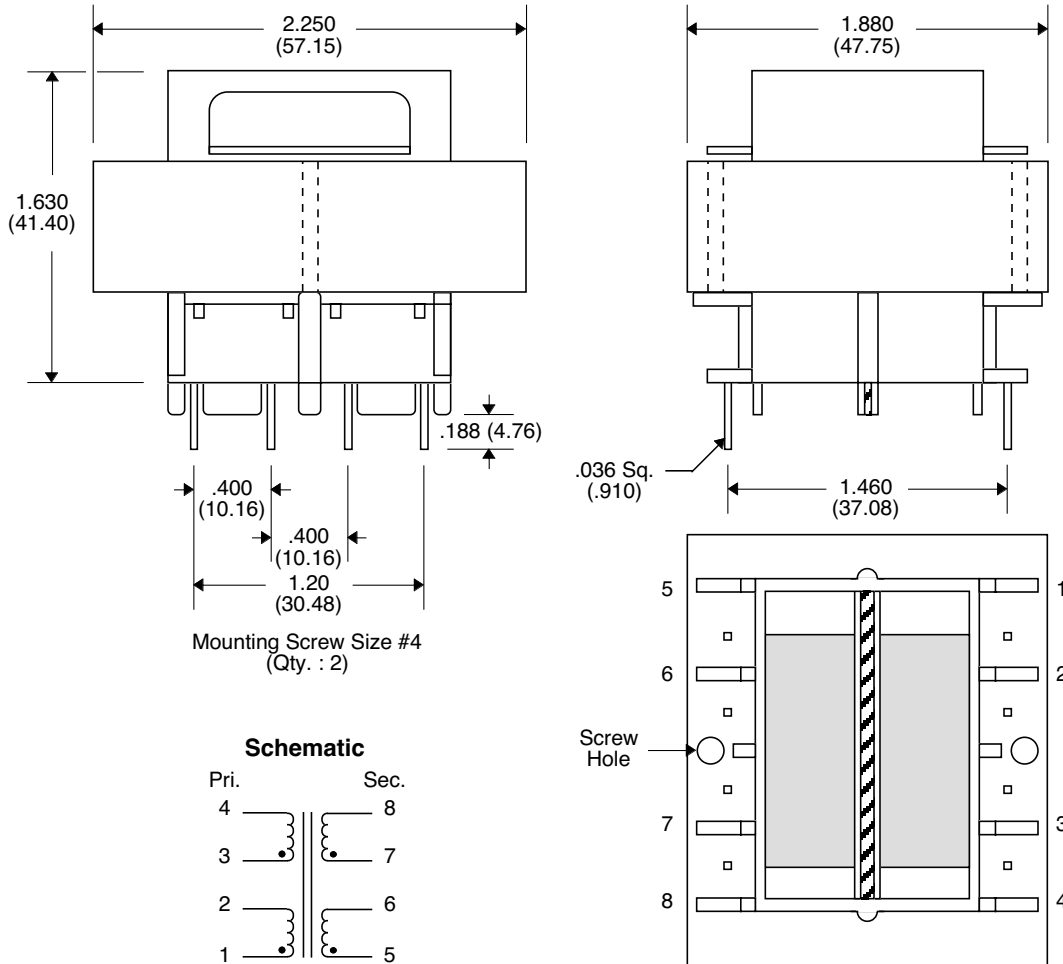
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3081-1	115	230	5.0	10	4.0	2.0	20
EPC3081-2	115	230	6.3	12.6	3.2	1.6	20
EPC3081-3	115	230	8.0	16	2.5	1.25	20
EPC3081-4	115	230	10	20	2.0	1.0	20
EPC3081-5	115	230	12	24	1.66	.830	20
EPC3081-6	115	230	14	28	1.44	.720	20
EPC3081-7	115	230	18	36	1.12	.526	20

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 4000 Vrms •

Package



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

EPC3089-X

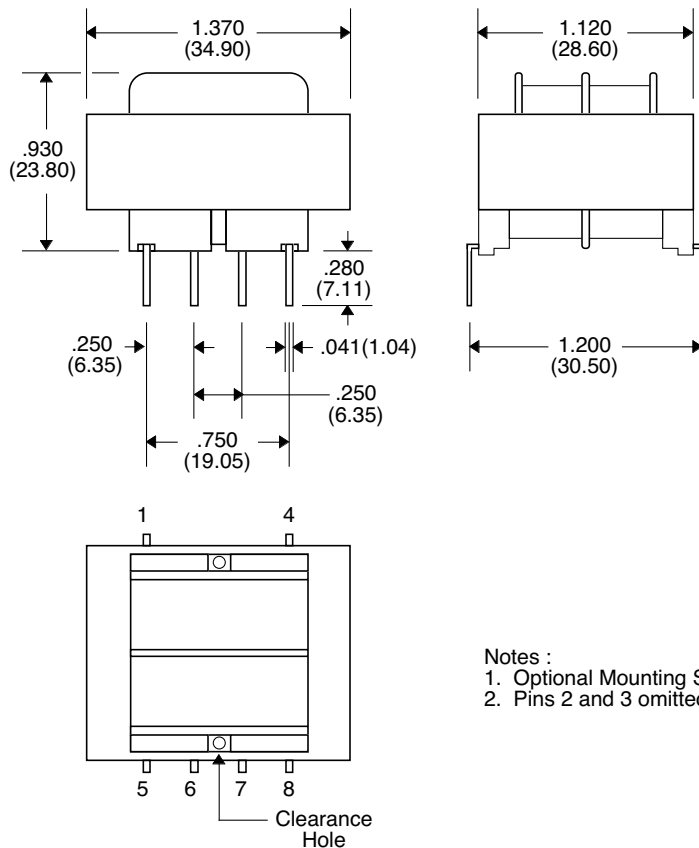
- Single Primary : 115 V
- Split Bobbin Construction
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

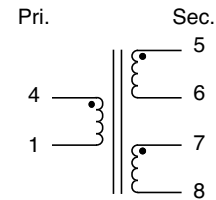
Part Number	Primary Voltage	Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
		Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3089-1	115	5.0	10	0.22	0.11	1.1
EPC3089-2	115	6.3	12.6	0.58	.090	1.1
EPC3089-3	115	8.0	16	0.14	0.70	1.1
EPC3089-4	115	10	20	0.11	0.55	1.1
EPC3089-5	115	12	24	0.09	0.45	1.1
EPC3089-6	115	14	28	0.08	0.04	1.1
EPC3089-7	115	18	36	0.06	0.03	1.1
EPC3089-8	115	24	48	0.046	0.023	1.1
EPC3089-9	115	28	56	0.04	0.02	1.1
EPC3089-10	115	60	120	0.02	0.01	1.1

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Notes :

1. Optional Mounting Screws and Nut : None
2. Pins 2 and 3 omitted

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPC3090-X

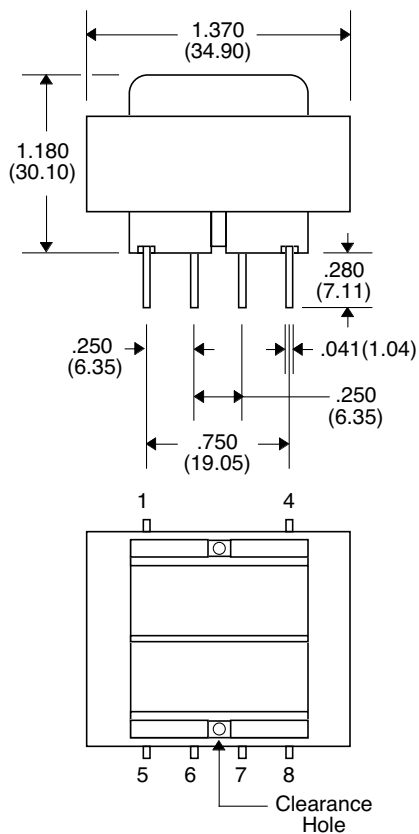
- Single Primary : 115 V
- Split Bobbin Construction
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

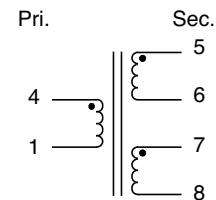
Part Number	Primary Voltage	Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
		Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3090-1	115	5.0	10	0.50	0.25	2.4
EPC3090-2	115	6.3	12.6	0.40	0.20	2.4
EPC3090-3	115	8.0	16	0.30	0.15	2.4
EPC3090-4	115	10	20	0.24	0.12	2.4
EPC3090-5	115	12	24	0.20	0.10	2.4
EPC3090-6	115	14	28	0.17	0.085	2.4
EPC3090-7	115	18	36	0.13	0.065	2.4
EPC3090-8	115	24	48	0.10	0.050	2.4
EPC3090-9	115	28	56	0.09	0.045	2.4
EPC3090-10	115	60	120	0.04	0.020	2.4

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Notes :

1. Optional Mounting Screws and Nut : None
2. Pins 2 and 3 omitted

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPC3091-X

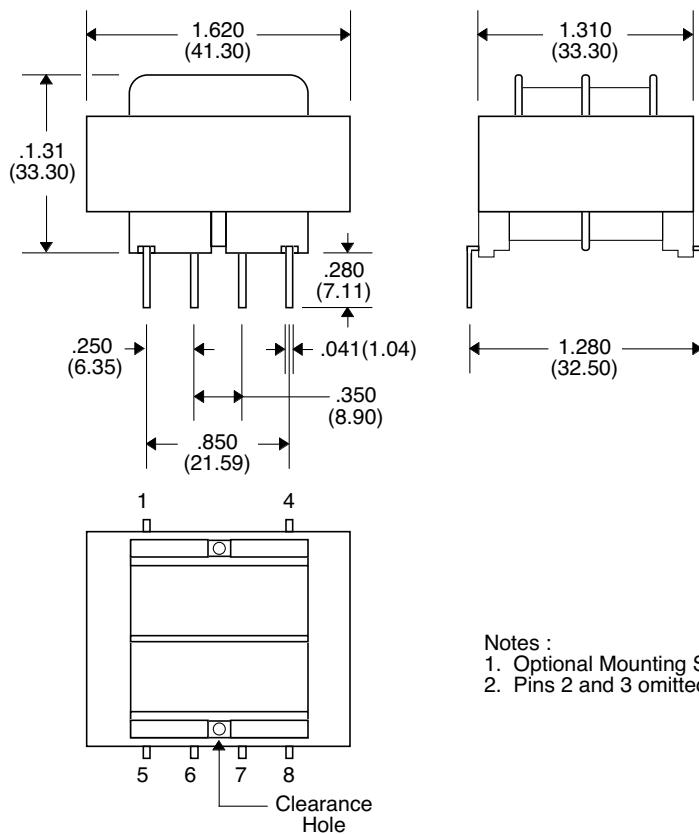
- Single Primary : 115 V
- Split Bobbin Construction
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

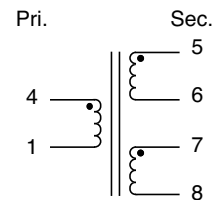
Part Number	Primary Voltage	Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
		Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3091-1	115	5.0	10	1.20	0.60	6.0
EPC3091-2	115	6.3	12.6	1.00	0.50	6.0
EPC3091-3	115	8.0	16	0.80	0.40	6.0
EPC3091-4	115	10	20	0.60	0.30	6.0
EPC3091-5	115	12	24	0.50	0.25	6.0
EPC3091-6	115	14	28	0.40	0.20	6.0
EPC3091-7	115	18	36	0.34	0.17	6.0
EPC3091-8	115	24	48	0.25	0.125	6.0
EPC3091-9	115	28	56	0.22	0.11	6.0
EPC3091-10	115	60	120	0.10	0.05	6.0

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Notes :

1. Optional Mounting Screws and Nut : 4-40 x 1.37 Nylon (4-40 x 34.9 mm)
2. Pins 2 and 3 omitted

Unless Otherwise Specified Dimensions are in Inches /mm ±.010 / .25

EPC3092-X

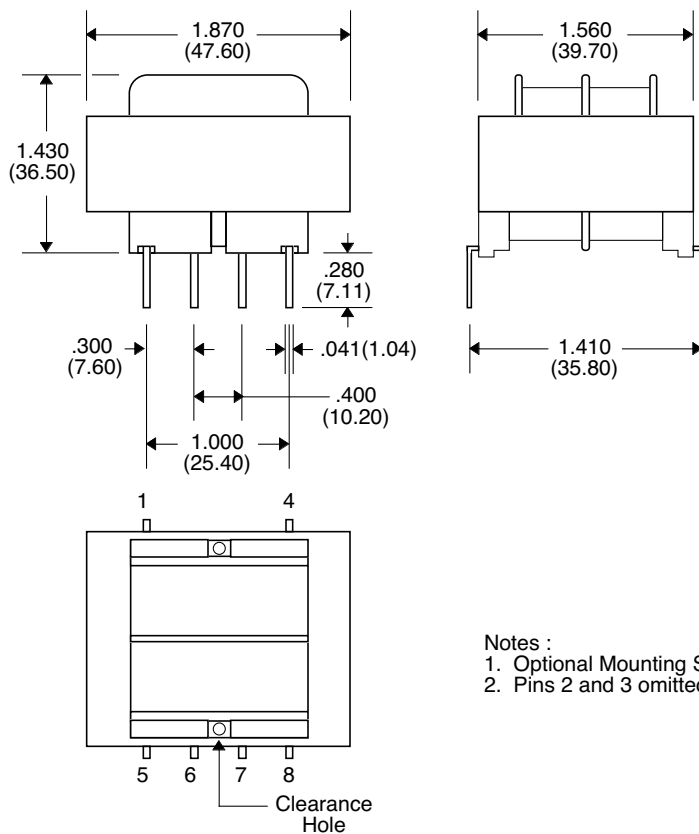
- Single Primary : 115 V
- Split Bobbin Construction
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

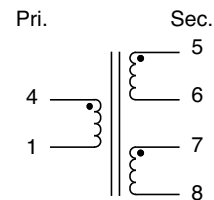
Part Number	Primary Voltage	Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
		Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3092-1	115	5.0	10	2.40	1.20	12
EPC3092-2	115	6.3	12.6	2.20	1.00	12
EPC3092-3	115	8.0	16	1.60	0.80	12
EPC3092-4	115	10	20	1.20	0.60	12
EPC3092-5	115	12	24	1.00	0.50	12
EPC3092-6	115	14	28	0.84	0.42	12
EPC3092-7	115	18	36	0.70	0.35	12
EPC3092-8	115	24	48	0.50	0.25	12
EPC3092-9	115	28	56	0.44	0.22	12
EPC3092-10	115	60	120	0.60	0.30	12

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Notes :

1. Optional Mounting Screws and Nut : 4-40 x 1.37 Nylon (4-40 x 34.9 mm)
2. Pins 2 and 3 omitted

Unless Otherwise Specified Dimensions are in Inches /mm ±.010 / .25

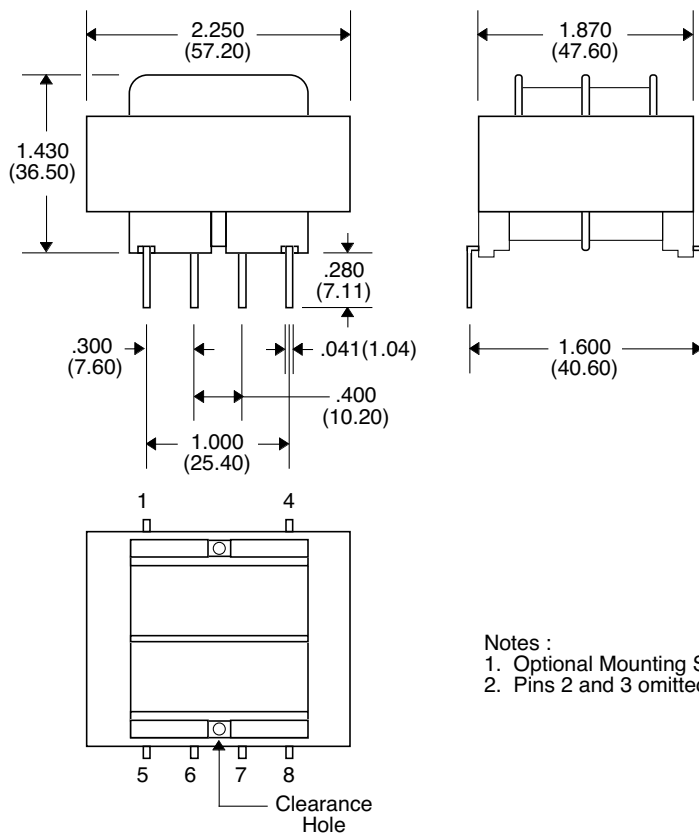
- Single Primary : 115 V
- Split Bobbin Construction
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

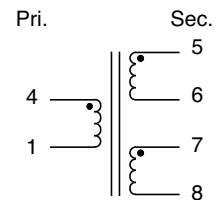
Part Number	Primary Voltage	Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
		Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3093-1	115	5.0	10	4.00	2.00	20
EPC3093-2	115	6.3	12.6	3.20	1.60	20
EPC3093-3	115	8.0	16	2.50	1.25	20
EPC3093-4	115	10	20	2.00	1.00	20
EPC3093-5	115	12	24	1.60	0.80	20
EPC3093-6	115	14	28	1.40	0.70	20
EPC3093-7	115	18	36	1.10	0.55	20
EPC3093-8	115	24	48	0.80	0.40	20
EPC3093-9	115	28	56	0.70	0.35	20
EPC3093-10	115	60	120	0.32	0.16	20

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 / .25

EPC3094-X

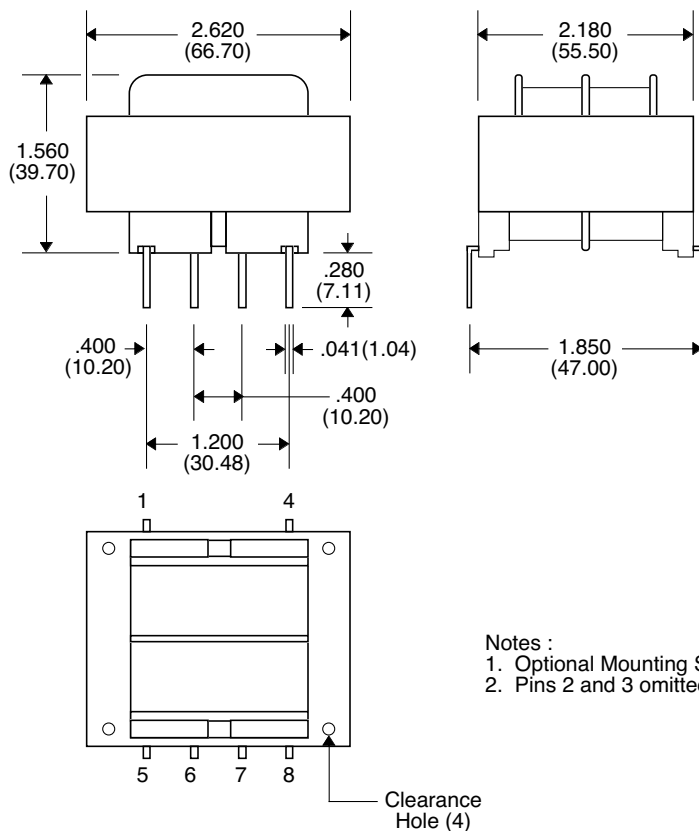
- Single Primary : 115 V
- Split Bobbin Construction
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

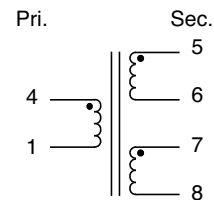
Part Number	Primary Voltage	Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
		Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3094-1	115	5.0	10	7.20	3.60	36
EPC3094-2	115	6.3	12.6	5.70	2.85	36
EPC3094-3	115	8.0	16	4.50	2.25	36
EPC3094-4	115	10	20	3.60	1.80	36
EPC3094-5	115	12	24	3.00	1.50	36
EPC3094-6	115	14	28	2.60	1.30	36
EPC3094-7	115	18	36	2.00	1.00	36
EPC3094-8	115	24	48	1.50	0.75	36
EPC3094-9	115	28	56	1.30	0.65	36
EPC3094-10	115	60	120	0.60	0.30	36

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Notes :

1. Optional Mounting Screws and Nut : Size #6 Screw
2. Pins 2 and 3 omitted

Unless Otherwise Specified Dimensions are in Inches /mm ±.010 / .25

EPC3095-X

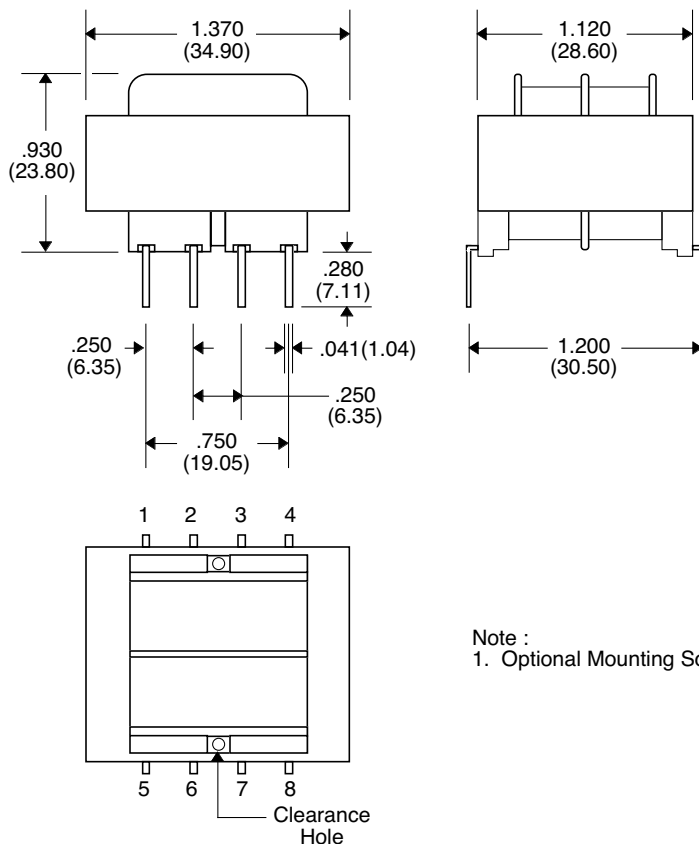
- Split Bobbin Construction
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

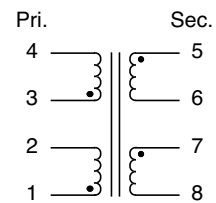
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3095-1	115	230	5.0	10	0.22	0.11	1.1
EPC3095-2	115	230	6.3	12.6	0.58	.09	1.1
EPC3095-3	115	230	8.0	16	0.14	0.7	1.1
EPC3095-4	115	230	10	20	0.11	0.55	1.1
EPC3095-5	115	230	12	24	0.09	0.45	1.1
EPC3095-6	115	230	14	28	0.08	0.04	1.1
EPC3095-7	115	230	18	36	0.06	0.03	1.1
EPC3095-8	115	230	24	48	0.046	0.023	1.1
EPC3095-9	115	230	28	56	0.04	0.02	1.1
EPC3095-10	115	230	60	120	0.02	0.01	1.1

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Note :
1. Optional Mounting Screws and Nut : None

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPC3096-X

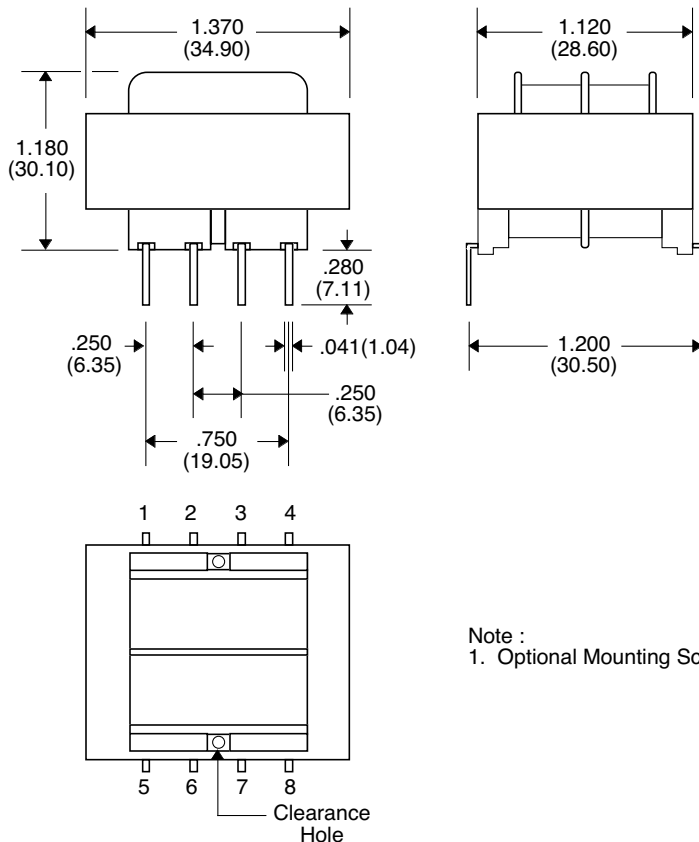
- Split Bobbin Construction
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

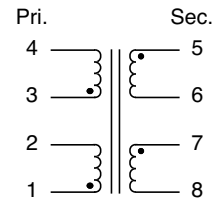
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3096-1	115	230	5.0	10	0.50	0.25	2.4
EPC3096-2	115	230	6.3	12.6	0.40	0.20	2.4
EPC3096-3	115	230	8.0	16	0.30	0.15	2.4
EPC3096-4	115	230	10	20	0.24	0.12	2.4
EPC3096-5	115	230	12	24	0.20	0.10	2.4
EPC3096-6	115	230	14	28	0.17	0.085	2.4
EPC3096-7	115	230	18	36	0.13	0.065	2.4
EPC3096-8	115	230	24	48	0.10	0.050	2.4
EPC3096-9	115	230	28	56	0.09	0.045	2.4
EPC3096-10	115	230	60	120	0.04	0.020	2.4

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Note :
 1. Optional Mounting Screws and Nut : None

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPC3097-X

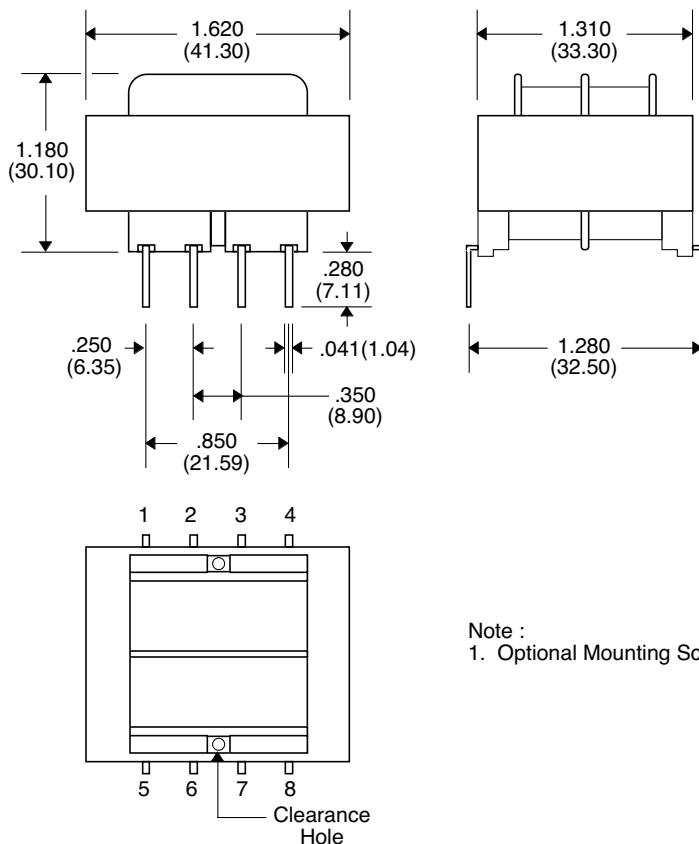
- Split Bobbin Construction
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

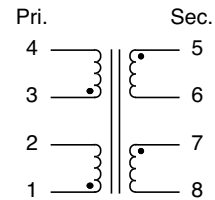
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3097-1	115	230	5.0	10	1.20	0.60	6.0
EPC3097-2	115	230	6.3	12.6	1.00	0.50	6.0
EPC3097-3	115	230	8.0	16	0.80	0.40	6.0
EPC3097-4	115	230	10	20	0.60	0.30	6.0
EPC3097-5	115	230	12	24	0.50	0.25	6.0
EPC3097-6	115	230	14	28	0.40	0.20	6.0
EPC3097-7	115	230	18	36	0.34	0.17	6.0
EPC3097-8	115	230	24	48	0.25	0.125	6.0
EPC3097-9	115	230	28	56	0.22	0.11	6.0
EPC3097-10	115	230	60	120	0.10	0.05	6.0

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Note :

1. Optional Mounting Screws and Nut : 4-40 x 1.37 Nylon (4-40 x 34.9 mm)

Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

EPC3098-X

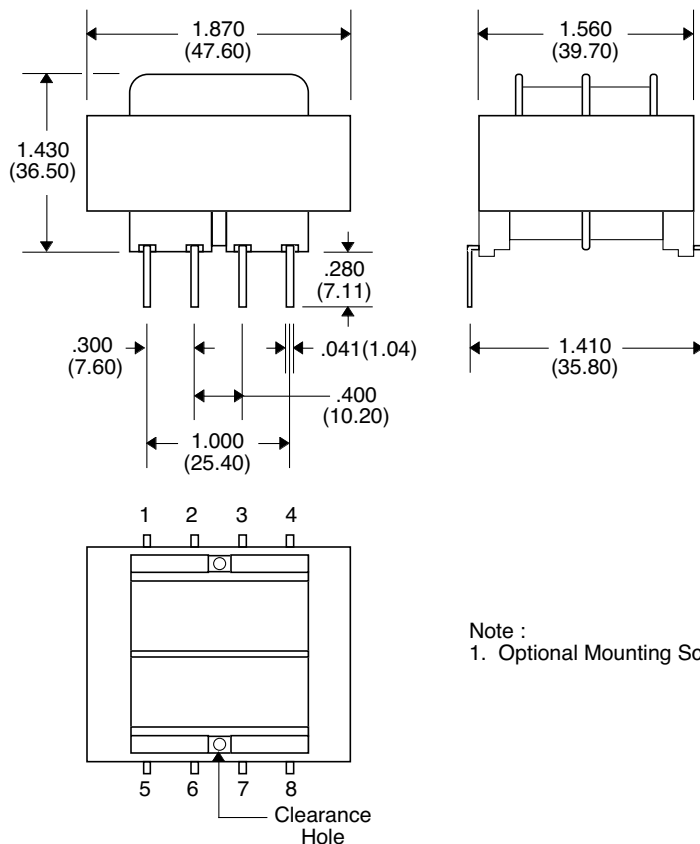
- Split Bobbin Construction
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

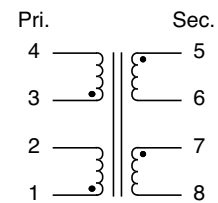
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3098-1	115	230	5.0	10	2.40	1.20	12
EPC3098-2	115	230	6.3	12.6	2.20	1.00	12
EPC3098-3	115	230	8.0	16	1.60	0.80	12
EPC3098-4	115	230	10	20	1.20	0.60	12
EPC3098-5	115	230	12	24	1.00	0.50	12
EPC3098-6	115	230	14	28	0.84	0.42	12
EPC3098-7	115	230	18	36	0.70	0.35	12
EPC3098-8	115	230	24	48	0.50	0.25	12
EPC3098-9	115	230	28	56	0.44	0.22	12
EPC3098-10	115	230	60	120	0.60	0.30	12

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Note :

1. Optional Mounting Screws and Nut : 4-40 x 1.37 Nylon (4-40 x 34.9 mm)

Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

EPC3099-X

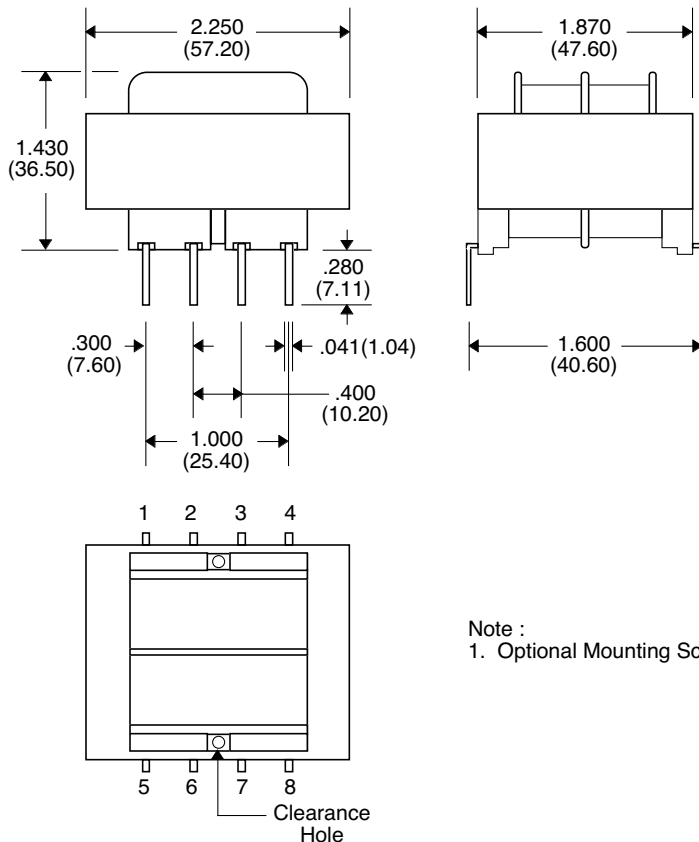
- Split Bobbin Construction
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

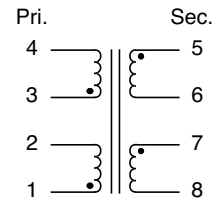
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3099-1	115	230	5.0	10	4.00	2.00	20
EPC3099-2	115	230	6.3	12.6	3.20	1.60	20
EPC3099-3	115	230	8.0	16	2.50	1.25	20
EPC3099-4	115	230	10	20	2.00	1.00	20
EPC3099-5	115	230	12	24	1.60	0.80	20
EPC3099-6	115	230	14	28	1.40	0.70	20
EPC3099-7	115	230	18	36	1.10	0.55	20
EPC3099-8	115	230	24	48	0.80	0.40	20
EPC3099-9	115	230	28	56	0.70	0.35	20
EPC3099-10	115	230	60	120	0.32	0.16	20

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Note :

1. Optional Mounting Screws and Nut : 4-40 x 1.37 Nylon (4-40 x 34.9 mm)

Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

EPC3100-X

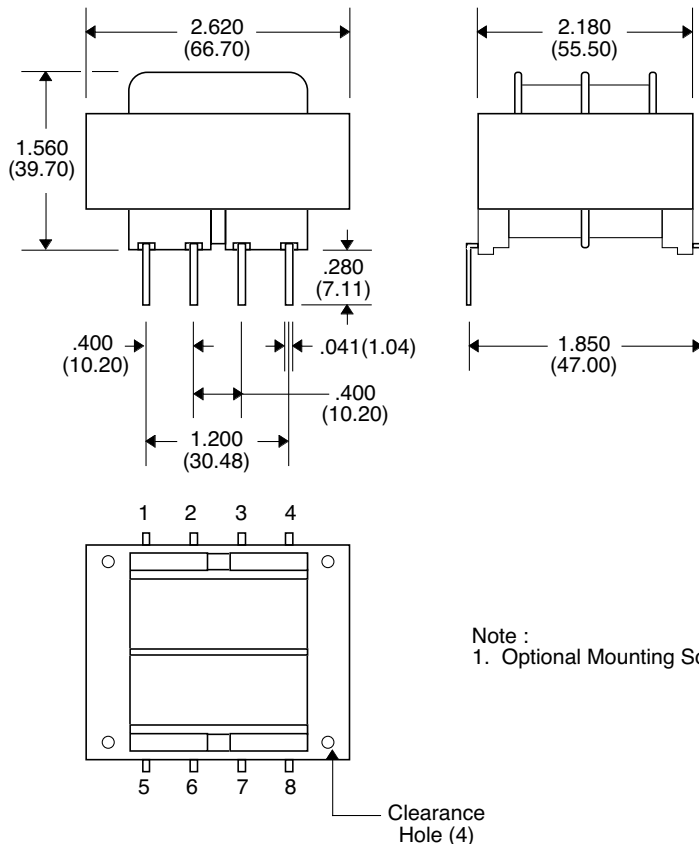
- Split Bobbin Construction
- Dual Primaries : 115 V / 230 V
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/TUV/VDE Specifications for Creepage, Clearance and Dielectric Strength

Electrical Parameters @ 25° C

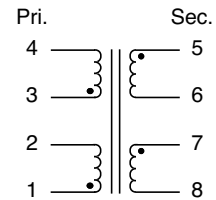
Part Number	Primary Voltage		Secondary Voltage		Secondary Current (A-Rms)		Power Rating (VA)
	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	
EPC3100-1	115	230	5.0	10	7.20	3.60	36
EPC3100-2	115	230	6.3	12.6	5.70	2.85	36
EPC3100-3	115	230	8.0	16	4.50	2.25	36
EPC3100-4	115	230	10	20	3.60	1.80	36
EPC3100-5	115	230	12	24	3.00	1.50	36
EPC3100-6	115	230	14	28	2.60	1.30	36
EPC3100-7	115	230	18	36	2.00	1.00	36
EPC3100-8	115	230	24	48	1.50	0.75	36
EPC3100-9	115	230	28	56	1.30	0.65	36
EPC3100-10	115	230	60	120	0.60	0.30	36

• Switching Frequency : 50 Hz - 500 Hz • Isolation : 2500 Vrms •

Package



Schematic



Note :

1. Optional Mounting Screws and Nut : Size #6 Screw

Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25



Contents

Push-Pull Low Power Transformers

PCA Part No.	Package	Inductance (μH Typ)	Turns Ratio (-5%)	Chipset	Length	Width	Height
EPC3115S-1	SO8 PCMCIA	394	1:1:2:2	MAX253	.290	.270	.088
EPC3115S-2	SO8 PCMCIA	988	1:1:1.3:1.3	MAX253	.290	.270	.088
EPC3115S-3	SO8 PCMCIA	988	1:1:2.76:2.67	MAX253	.290	.270	.088
EPC3115S-4	SO8 PCMCIA	988	1:1:3:3	MAX253	.290	.270	.088
EPC3115S-5	SO8 PCMCIA	394	1:1:1:1	MAX253	.290	.270	.088
EPC3115S-6	SO8 PCMCIA	988	1:1:.67:.67	MAX253	.290	.270	.088
EPC3115S-7	SO8 PCMCIA	988	1:1:1.5:1.5	MAX253	.290	.270	.088
EPC3115S-8	SO8 PCMCIA	988	1:1:1.5:1.5	MAX253	.290	.270	.088
EPC3117S-1	SO8 PCMCIA	150	1:1:2:2	MAX845	.290	.270	.088
EPC3117S-2	SO8 PCMCIA	375	1:1:1.3:1.3	MAX845	.290	.270	.088
EPC3117S-3	SO8 PCMCIA	375	1:1:2.67:2.67	MAX845	.290	.270	.088
EPC3117S-4	SO8 PCMCIA	375	1:1:3:3	MAX845	.290	.270	.088
EPC3117S-5	SO8 PCMCIA	150	1:1:1:1	MAX845	.290	.270	.088
EPC3117S-6	SO8 PCMCIA	375	1:1.67:.67	MAX845	.290	.270	.088
EPC3117S-7	SO8 PCMCIA	375	1:1:1.5:1.5	MAX845	.290	.270	.088
EPC3117S-8	SO8 PCMCIA	375	1:1:2:2	MAX845	.290	.270	.088

Push-Pull Low Power Transformer

EPC3115S-X & EPC3115S-X-LF



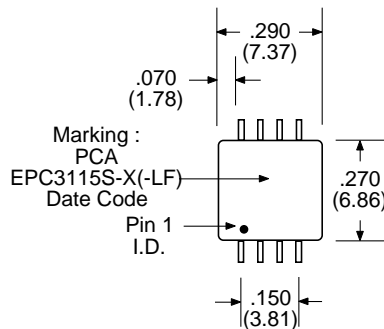
- Designed for use with Maxim Max253/Max3535E
- Add "-LF" after part number for Lead-Free
- Used in SMPS Push-Pull Topology
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Switching Frequency : 350 KHz
- 8 Pin SOIC PCMCIA Package
- 700 Vdc Minimum Isolation
- Very Low Core Loss

Electrical Parameters @ 25° C

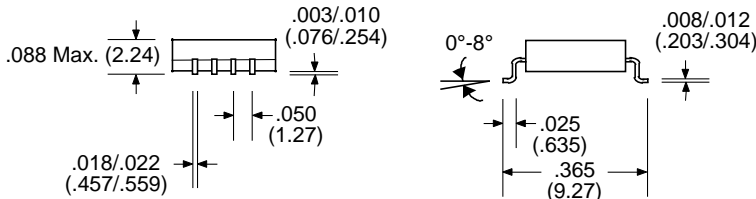
PCA Part Number	Voltage (V)		Primary OCL (μH Typ.)	Turns Ratio (Pri. :Sec.)	ET (V-μSec.)	Duty Cycle (%)	Rectification (Half or Full Wave)
	V in	V out					
			@ 100 KHz, 0.1 Vrms	Pri. :Sec.	@ 350 KHz		Connections
EPC3115S-1	3.3	5	394	1:1:2:2	7.1	75	† Output Center Tap
EPC3115S-2	5	5	988	1:1:1.3:1.3	11	75	† Output Center Tap
	5	10	988	1:1:1.3:1.3	11	75	Voltage Doubler
*EPC3115S-3	5	10	988	1:1:2.67:2.67	11	75	† Output Center Tap
*EPC3115S-4	5	12	988	1:1:3:3	11	80	† Output Center Tap
	5	24	988	1:1:3:3	11	80	Voltage Doubler
EPC3115S-5	3.3	5	394	1:1:1:1	7.1	75	Voltage Doubler
EPC3115S-6	5	5	988	1:1:.67:.67	11	75	Voltage Doubler
EPC3115S-7	5	12	988	1:1:1.5:1.5	11	80	Voltage Doubler
EPC3115S-8	5	15	988	1:1:2:2	11	75	Voltage Doubler

- † Connections : Output Center Tap as Common/Return
- Operating Temperature : -40°C to +85°C

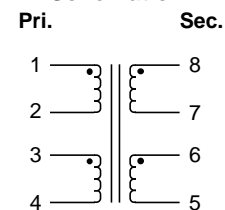
Package



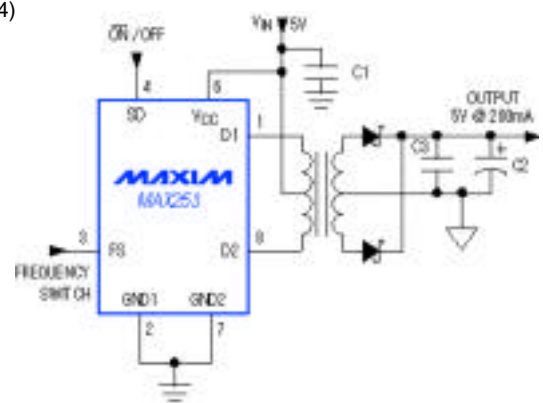
*.098 Max. (2.49) for EPC3115S-3/-4



Schematic



Application



Notes :	EPC3115S-X	EPC3115S-X-LF
1. Assembly Process (Solder Composition)	SnPb	Pb-Free
2. Peak Solder Rating (per IPC/JEDEC-J-STD-020C)	225°C	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC-J-STD-020C)	1 (Unlimited, 30°C/60%RH)	1 (Unlimited, 30°C/60%RH)
4. Weight	TBD grams	TBD grams
5. Packaging Information (Tube)	TBD pcs / tube	TBD pcs / tube

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

Push-Pull Low Power Transformer

EPC3117S-X



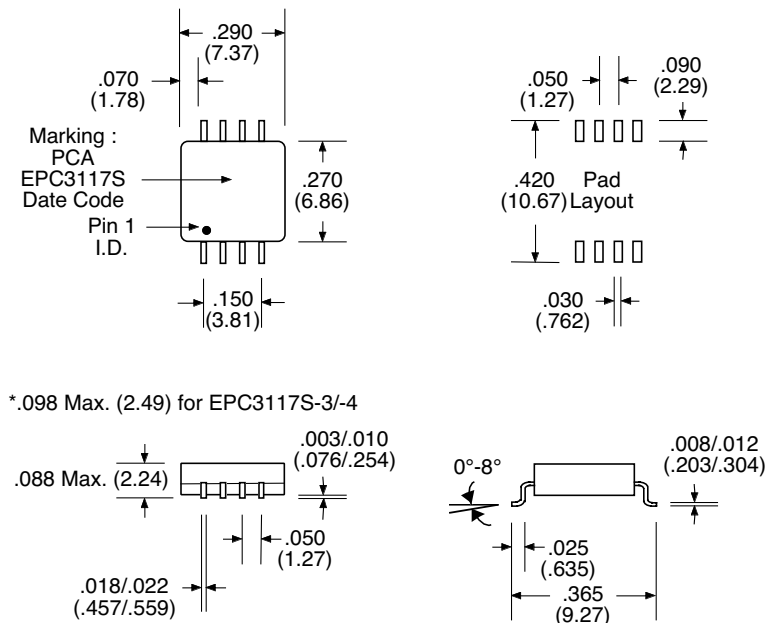
- Designed for use with Maxim Max845
- Used in SMPS Push-Pull Topology
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Switching Frequency : 250 KHz-1 Mhz
- 8 Pin SOIC PCMCIA Package
- 700 Vdc Minimum Isolation
- Very Low Core Loss

Electrical Parameters @ 25° C

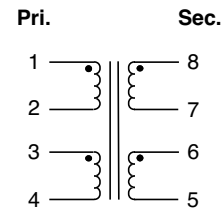
PCA Part Number	Voltage (V)		Primary OCL (μ H Typ.)	Turns Ratio (Pri. :Sec.)	ET (V- μ Sec.)	Duty Cycle (%)	Rectification (Half or Full Wave)
	V in	V out					
			@ 100 KHz, 0.1 Vrms	Pri. :Sec.	@ 350 KHz		Connections
EPC3117S-1	3.3	5	150	1:1:2:2	7.1	75	† Output Center Tap
EPC3117S-2	5	5	375	1:1:1.3:1.3	11	75	† Output Center Tap
	5	10	375	1:1:1.3:1.3	11	75	Voltage Doubler
*EPC3117S-3	5	10	375	1:1:2.67:2.67	11	75	† Output Center Tap
*EPC3117S-4	5	12	375	1:1:3:3	11	80	† Output Center Tap
	5	24	375	1:1:3:3	11	80	Voltage Doubler
EPC3117S-5	3.3	5	150	1:1:1:1	7.1	75	Voltage Doubler
EPC3117S-6	5	5	375	1:1:.67:.67	11	75	Voltage Doubler
EPC3117S-7	5	12	375	1:1:1.5:1.5	11	80	Voltage Doubler
EPC3117S-8	5	15	375	1:1:2:2	11	75	Voltage Doubler

• † Connections : Output Center Tap as Common/Return • Operating Temperature : -40°C to +85°C •

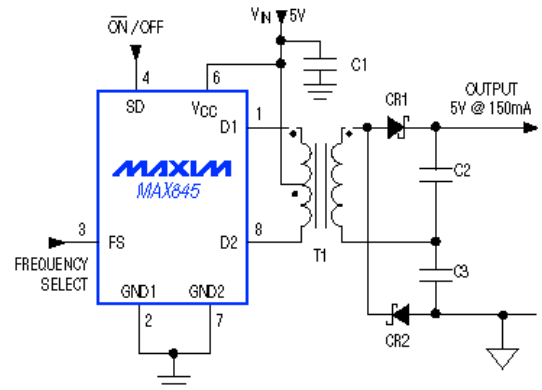
Package



Schematic



Application



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25



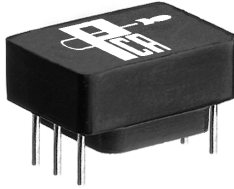
Contents

Stand-Off Type Pulse Power Transformers

PCA Part No.	Package	Inductance (μH Min)	Turns Ratio (-5%)	Length	Width	Height
EP15761	TC2	2000	1:1:1	.500	.350	.250
EP15762	TC2	500	1:1:1	.500	.350	.250
EP15763	TC2	200	1:1:1	.500	.350	.250
EP15764	TC2	50	1:1:1	.500	.350	.250
EP15765	TC2	20	1:1:1	.500	.350	.250
EP15766	TC2	10	1:1:1	.500	.350	.250
EP15767	TC2	5000	2:1:1	.500	.350	.250
EP15768	TC2	2000	2:1:1	.500	.350	.250
EP15769	TC2	500	2:1:1	.500	.350	.250
EP15770	TC2	200	2:1:1	.500	.350	.250
EP15772	TC2	20	2:1:1	.500	.350	.250
EP15777	TC2	200	3:1:1	.500	.350	.250
EP15782	TC2	2000	4:2:1	.500	.350	.250
EP15783	TC2	500	4:2:1	.500	.350	.250
EP15784	TC2	200	4:2:1	.500	.350	.250
EP18270	TC2	2000	1CT:1CT	.500	.350	.250
EP18271	TC2	500	1CT:1CT	.500	.350	.250
EP18272	TC2	10	1CT:1CT	.500	.350	.250
EP18273	TC2	50	1CT:1CT	.500	.350	.250
EP18274	TC2	20	1CT:1CT	.500	.350	.250
EP18275	TC2	10	1CT:1CT	.500	.350	.250
EP18276	TC2	2000	2CT:1CT	.500	.350	.250
EP18277	TC2	500	2CT:1CT	.500	.350	.250
EP18278	TC2	200	2CT:1CT	.500	.350	.250
EP18279	TC2	50	2CT:1CT	.500	.350	.250
EP18280	TC2	20	2CT:1CT	.500	.350	.250
EP18281	TC2	10	2CT:1CT	.500	.350	.250

PCA Part No.	Vin	Vout	Primary OCL (μH Typ.)	Turns Ratio	ET (V- $\mu\text{Sec.}$)	Length	Width	Height
EPC3126-1	5 / 3.3	15 / 5	793 @ 100 KHz, 0.1 Vrms	1CT:2CT	11	.585	.720	.390
EPC3126-2	5 / 5	5 / 10	793 @ 100 KHz, 0.1 Vrms	1CT:1.3CT	11	.670	.770	.390
EPC3126-3	5	10	793 @ 100 KHz, 0.1 Vrms	1CT:2.6CT	11	.275	.364	.234
EPC3126-4	5 / 5	12 / 4	793 @ 100 KHz, 0.1 Vrms	1CT:3CT	11	.500	.500	.215
EPC3126-5	3.3	5	793 @ 100 KHz, 0.1 Vrms	1CT:1CT	11	.500	.500	.215
EPC3126-6	5	5	793 @ 100 KHz, 0.1 Vrms	1CT:0.6CT	11	.670	.770	.390
EPC3126-7	5	12	793 @ 100 KHz, 0.1 Vrms	1CT:1.5CT	11	.670	.770	.390

EP157XX

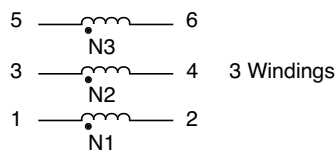


- UL94V0 Recognized Materials
- UL1446 Class B Insulating System
- Operating Temperature : 0°C to 70°C
- IR : 10 K megΩ Min. 500 Vdc
- Hipot : 500 Vdc

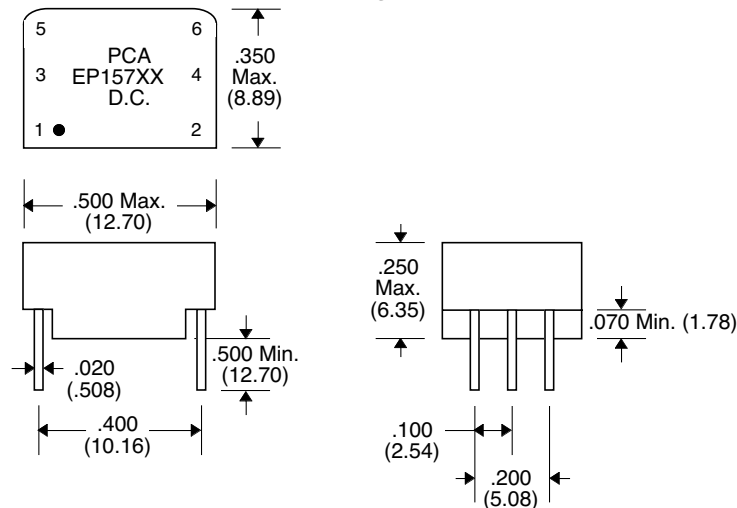
Electrical Parameters @ 25° C

PCA Part Number	OCL Sine Wave (μH Min.)	Primary Et-Constant (V-μSec. Min.)	Interwinding Capacitance (pF Max.)	Leakage Inductance (μH Max.)	Rise Time (nS Max.)	Turns Ratio (± 5%)	DCR (Ω Max.)		
							Pri.	Sec.	Tert.
EP15760	5000	25	60	1.3	10.5	1:1:1	3.9	3.9	3.9
EP15761	2000	16	37	0.8	8.2	1:1:1	2.5	2.5	2.5
EP15762	500	8.5	32	0.4	5.3	1:1:1	1.3	1.3	1.3
EP15763	200	5.0	18	0.3	4.2	1:1:1	0.9	0.9	0.9
EP15764	50	5.2	18	0.5	5.6	1:1:1	1.3	1.3	1.3
EP15765	20	3.2	21	0.4	4.1	1:1:1	0.9	0.9	0.9
EP15766	10	3.7	22	0.5	5.1	1:1:1	0.9	0.9	0.9
EP15767	5000	25	33	3.6	16	2:1:1	3.9	2.0	2.0
EP15768	2000	16	19	1.8	11	2:1:1	2.5	1.4	1.4
EP15769	500	8.5	11	1.1	5.6	2:1:1	1.3	0.7	0.7
EP15770	200	5.0	8	0.8	3.2	2:1:1	0.9	0.5	0.5
EP15772	20	5.8	12	1.5	7.5	2:1:1	1.3	0.8	0.8
EP15777	200	5.0	7	1.1	3.6	3:1:1	0.9	0.4	0.4
EP15779	20	3.2	6	1.3	2.7	3:1:1	0.9	0.4	0.4
EP15782	2000	16	20	2.5	13	4:2:1	2.5	1.4	0.8
EP15783	500	8.5	13	0.9	4.7	4:2:1	1.4	1.8	0.5
EP15784	200	5.0	8	0.8	3.7	4:2:1	0.9	0.9	0.4

Schematic

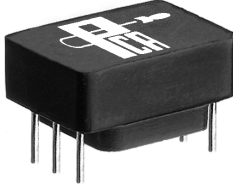


Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EP182XX

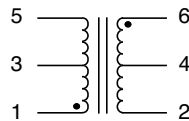


- UL94V0 Recognized Materials
- UL1446 Class B Insulating System
- Operating Temperature : 0°C to 70°C
- IR : 10 K megΩ Min. 500 Vdc
- Hipot : 500 Vdc

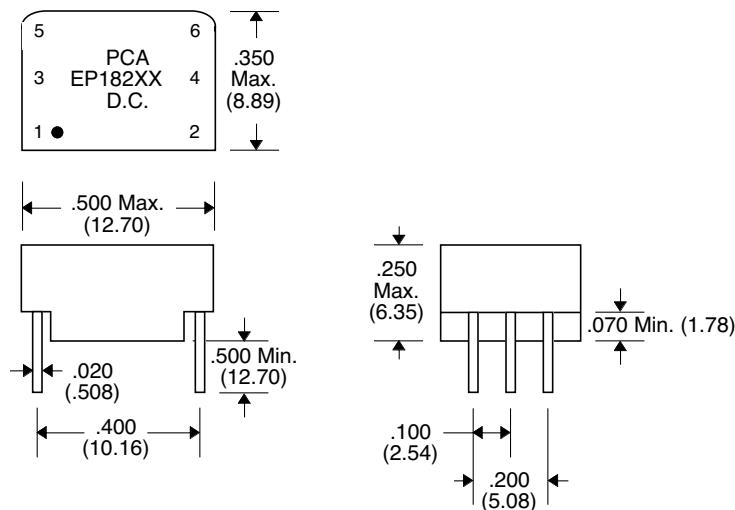
Electrical Parameters @ 25° C

PCA Part Number	OCL Sine Wave (μH Min.)	Primary Et-Constant (V-μSec. Min.)	Interwinding Capacitance (pF Max.)	Leakage Inductance (μH Max.)	Rise Time (nS Max.)	Turns Ratio (± 5%)	DCR (Ω Max.)	
							Pri.	Sec.
EP18270	2000	16	37	0.8	8.2	1CT:1CT	2.5	2.5
EP18271	500	8.5	32	0.4	5.3	1CT:1CT	1.3	1.3
EP18272	200	5.0	18	0.3	4.2	1CT:1CT	0.9	0.9
EP18273	50	5.2	18	0.5	5.6	1CT:1CT	1.3	1.3
EP18274	20	3.2	21	0.4	4.1	1CT:1CT	0.9	0.9
EP18275	10	3.7	22	0.5	5.1	1CT:1CT	0.9	0.9
EP18276	2000	16	19	1.8	11	2CT:1CT	2.5	1.4
EP18277	500	8.5	12	1.2	5.6	2CT:1CT	1.4	0.8
EP18278	200	5.0	8	0.8	3.2	2CT:1CT	0.9	0.5
EP18279	50	5.2	12	1.3	5.2	2CT:1CT	1.3	0.7
EP18280	20	5.8	12	1.5	7.2	2CT:1CT	1.3	0.8
EP18281	10	3.7	9	1.5	4.5	2CT:1CT	0.9	0.5

Schematic



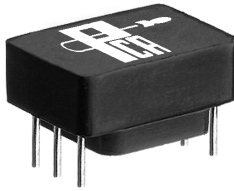
Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

Stand-Off Type Low Power Push-Pull Transformers

EPC3126-X



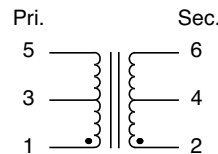
- Designed for use with Maxim Max 253/845
- Operating Temperature : 0°C to 70°C
- UL1446 Class F Insulating System
- UL94V0 Recognized Materials
- Teflon FEP Insulation
- Up to 1 Watt

Electrical Parameters @ 25° C

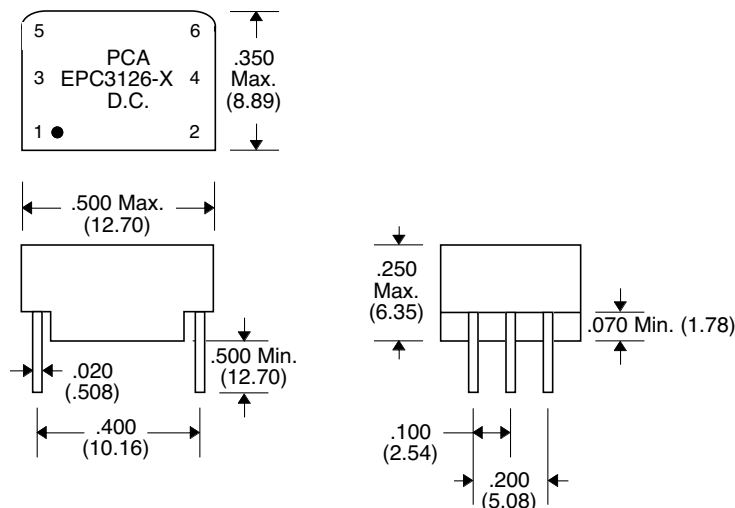
PCA Part Number	Voltage (V)		Primary OCL (μ H Typ.)	Turns Ratio (Pri. to Sec.)	ET (V- μ Sec.)	Duty Cycle (%)	Rectification (Half or Full Wave)
	V in	V out					
			@ 100 KHz, 0.1 Vrms	Pri. :Sec.	@ 350 KHz		Connections
EPC3126-1	5	15	793	1CT:2CT	11	75	Voltage Doubler
EPC3126-2	3.3	5	793	1CT:2CT	11	75	† Output Center Tap
	5	5	793	1CT:1.3CT	11	75	† Output Center Tap
EPC3126-3	5	10	793	1CT:1.3CT	11	75	Voltage Doubler
	5	10	793	1CT:2.6CT	11	77	† Output Center Tap
EPC3126-4	5	12	793	1CT:3CT	11	80	† Output Center Tap
	5	24	793	1CT:3CT	11	80	Voltage Doubler
EPC3126-5	3.3	5	793	1CT:1CT	11	75	Voltage Doubler
EPC3126-6	5	5	793	1CT:0.6CT	11	83	Voltage Doubler
EPC3126-7	5	12	793	1CT:1.5CT	11	80	Voltage Doubler

• Switching Frequency : 250 KHz - 1 MHz • Isolation : 4500 Vrms • † Connections : Output Center Tap as Common/Return •

Schematic



Package



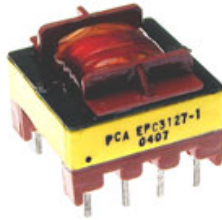
Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25



Contents Flyback Transformer Series

PCA Part No.	OCL (μ H)	Vin	Vo1	Vo2	Vo3	Vo4	S1	S2	S3	S4	L	W	H
EPC3127	475 - 2250	120-375	5	3.3	15	-----	1.2-3.0	2.0	.05	-----	.787	.815	.728
EPC3129	876 - 1000	120-375	12-13.5	35	15	-----	1.0-2.5	1.0-1.8	.05	-----	1.13	1.13	.846
EPC3130	373 - 490	120-375	5-19	19	15	-----	1.8-3.0	1.9-3.0	.05	-----	1.33	.132	.937
EPC3132	1360-2550	120-375	5.5-9	N	12	-----	.10-.60	N	.05	-----	.594	.528	.406
EPC3133	1660-5100	120-375	3.3-12	N	N	-----	.25-2.0	.40	.05	.005	.937	.779	.587

EPC3127-X



- Used in SMPS Flyback Topology
- Designed for use with Power Integration Chip
- Reinforced Insulation (Triple Insulated Wire)
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Very Low Core Loss

Electrical Parameters @ 25° C

PCA Part Number	Chipset	Voltage (Vdc)				Primary OCL ($\mu\text{H} \pm 10\%$) @ 10 KHz, 0.1 Vrms	Current (Amp.)			Schematic
		V in	V out 1	V out 2	V out 3		Sec. 1	Sec. 2	Sec. 3	
EPC3127-1	TNY268P	120-375	5	N	15	1900	3.0	N	.05	A
	TNY266P	120-375	5	N	15	1900	2.0	N	.05	A
EPC3127-2	TOP232Y/TOP242Y	120-375	5	3.3	15	2400	2.0	2	.05	B
EPC3127-3	TOP244P	120-375	13.55	N	15	475	1.2	N	.05	A
EPC3127-4	TNY267	120-375	3.3	N	15	2800	2.0	N	.05	A

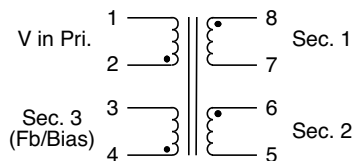
• Switching Frequency : 132 KHz • Isolation : 4500 Vrms •

Dielectric Rating (Vrms)

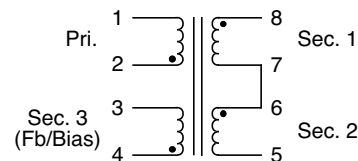
1 sec. 4500 or 60 sec. 3750	1 sec. 4500 or 60 sec. 3750	1 sec. 1500
Pri. to all Sec. Wdg's & Core	Between Sec. Wdg's to Core	Between Pri. Wdg & Bias

• Note : "N" means Not Required/No Connections •

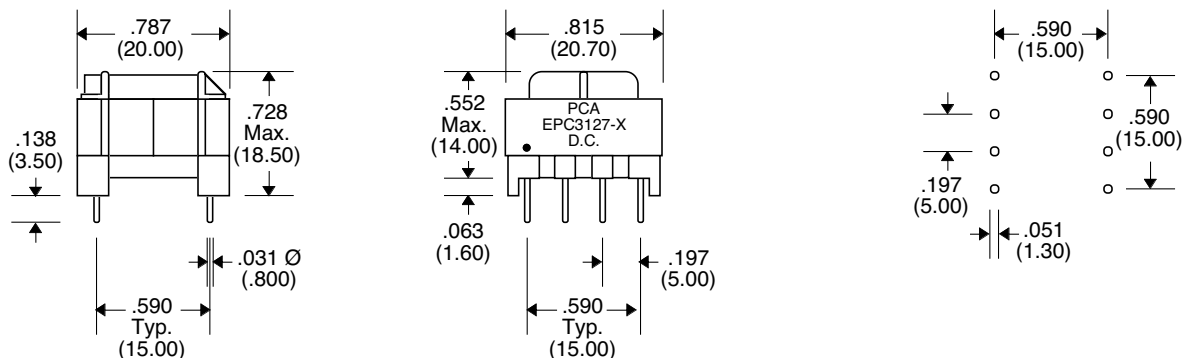
Schematic A



Schematic B



Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

EPC3129-X

- Used in SMPS Flyback Topology
- Designed for use with Power Integration Chip
- Reinforced Insulation (Triple Insulated Wire)
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Very Low Core Loss

Electrical Parameters @ 25° C

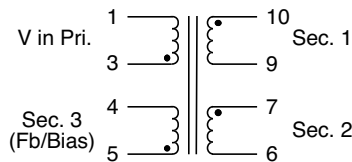
PCA Part Number	Chipset	Voltage (Vdc)					Primary OCL ($\mu\text{H} \pm 10\%$) @ 10 KHz, 0.1 Vrms	Current (Amp.)				Schematic
		V in	V out 1	V out 2	V out 3	V out 4		Sec. 1	Sec. 2	Sec. 3	Sec. 4	
EPC3129-1	TOP244Y	120-375	12	N	15	---	876	2.5	N	.05	---	A
EPC3129-2	TOP243P	120-375	5	3.3	15	30	1000	0.9	1.5	.05	.03	B

• Switching Frequency : 132 KHz • Isolation : 4500 Vrms •

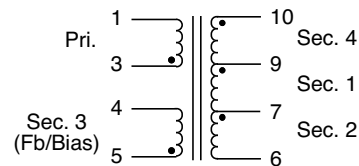
Dielectric Rating (Vrms)		
1 sec. 4500 or 60 sec. 3750	1 sec. 4500 or 60 sec. 3750	1 sec. 1500
Pri. to all Sec. Wdg's & Core	Between Sec. Wdg's to Core	Between Pri. Wdg & Bias

• Note : "N" means Not Required/No Connections •

Schematic A

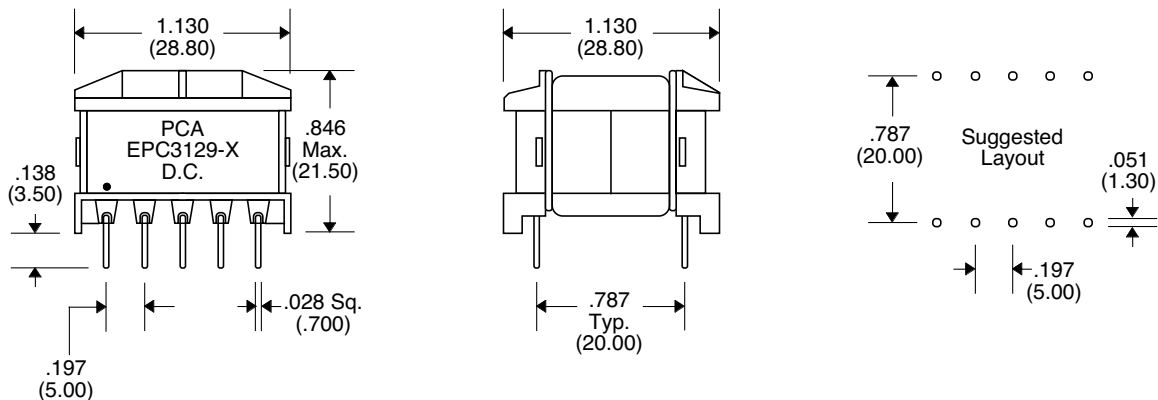


Schematic B



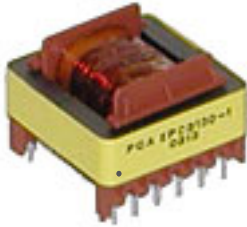
* Shield is optional

Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

EPC3130-X



- Used in SMPS Flyback Topology
- Designed for use with Power Integration Chip
- Reinforced Insulation (Triple Insulated Wire)
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Very Low Core Loss

Electrical Parameters @ 25° C

PCA Part Number	Chipset	Voltage (Vdc)					Primary OCL ($\mu\text{H} \pm 10\%$) @ 10 KHz, 0.1 Vrms	Current (Amp.)			
		V in	V out 1	V out 2	V out 3	V out 4		Sec. 1	Sec. 2	Sec. 3	Sec. 4
EPC3130-1	TOP249Y	120-375	19	19	15	N	273	1.8	1.8	.05	N
EPC3130-2	TOP234Y	120-375	12	12	15	N	490	1.9	1.9	.05	N
EPC3130-3	TOP247Y	120-375	35	35	15	N	342	1.0	1.0	.05	N
EPC3130-4	TOP247Y	120-375	24	12	15	24	466	2.0	0.1	.05	.025
EPC3130-5	TOP244Y	120-375	24	5	15	N	466	1.0	0.8	.05	N
EPC3130-6	Viper 100	120-395	24	24	13	N	256	1.8	1.8	.05	N

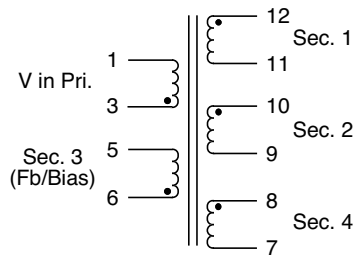
• Switching Frequency : 132 KHz • Isolation : 4500 Vrms •

Dielectric Rating (Vrms)

1 sec. 4500 or 60 sec. 3750	1 sec. 4500 or 60 sec. 3750	1 sec. 1500
Pri. to all Sec. Wdg's & Core	Between Wdg's to Core	Between Pri. Wdg & Bias

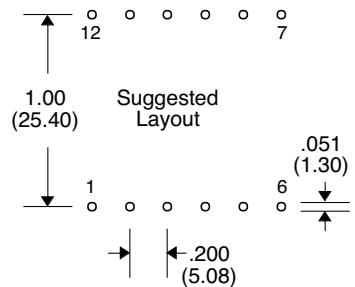
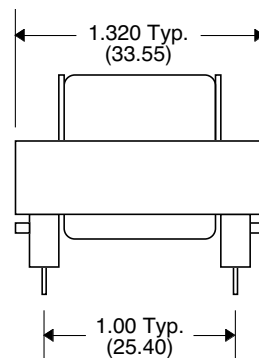
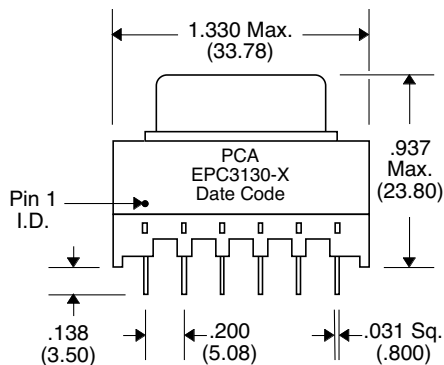
• Note : "N" equals Not Required/No Connection •

Schematic



Shield is optional

Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

EPC3132-X



- Used in SMPS Flyback Topology
- Designed for use with Power Integration Chip
- Reinforced Insulation (Triple Insulated Wire)
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Very Low Core Loss

Electrical Parameters @ 25° C

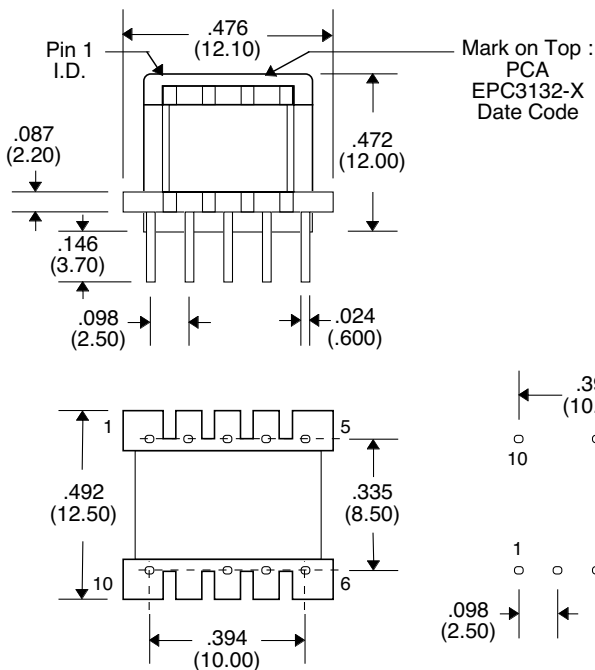
PCA Part Number	Chipset	Voltage (Vdc)				Primary OCL ($\mu\text{H} \pm 10\%$) @ 10 KHz, 0.1 Vrms	Current (Amp.)		
		V in Pin 1-3	V out 1	V out 2	V out 3		Sec. 1	Sec. 2	Sec. 3
EPC3132-1	TNY264P (132 KHz)	120-375	9	N	N	2000	.330	N	N
EPC3132-2	TNY264P(132 KHz)	120-375	5	N	12	1900	.600	N	.05
EPC3132-3	TOP221P (100 KHz)	120-375	5.1	N	N	1400	.100	N	N
*EPC3132-4	LNK501 (42 KHz)	120-375	5.5	N	N	2550	.500	N	N
*EPC3132-5	LNK501 (42 KHz)	120-375	5.5	N	N	1360	.273	N	N
*EPC3132-6	TNY264P (132 KHz)	120-375	5.2	10.5	N	2400	.600	.015	N
EPC3132-7	TNY264P (132 KHz)	120-375	5.2	12.0	N	2400	.600	.015	N
EPC3132-8	TNY264P (132 KHz)	120-375	3.3	N	12	1900	.600	N	.05

• Switching Frequency : 132 KHz/100 KHz/42 KHz • Isolation : 3750 Vdc • *Copper Flux Band : is connected to Pin #3 •

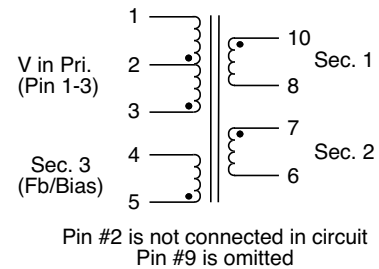
Dielectric Rating (Vdc)		
1 sec. 4500 or 60 sec. 3750	1 sec. 4500 or 60 sec. 3750	1 sec. 1500 or 60 sec. 1000
Pri. to all Sec. Wdg's	Between Sec. Wdg's to Core	Between Pri. Wdg & Bias

• Note : "N" means Not Required/No Connections • Marking : Mark on top or side •

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPC3133-X



- Used in SMPS Flyback Topology
- Designed for use with Power Integration Chip
- Reinforced Insulation (Triple Insulated Wire)
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Very Low Core Loss

Electrical Parameters @ 25° C

PCA Part Number	Chipset	Voltage (Vdc)					Primary OCL ($\mu\text{H} \pm 10\%$) @ 10 KHz, 0.1 Vrms	Current (Amp.)				Schematic
		V in Pin 1-3	V out 1	V out 2	V out 3	V out 4		Sec. 1	Sec. 2	Sec. 3	Sec. 4	
EPC3133-1	TNY253 (44 KHz)	120-375	7.5	N	N	---	5100	.173	N	N	---	A
EPC3133-2	TOP242P (132 KHz)	120-375	3.3	6.2	15	30	2100	1.5	0.4	.05	.005	B
EPC3133-3	TNY254 (44KHz)	120-375	12	N	15	---	3670	.25	N	.05	---	A
EPC3133-4	TNY266P (132 KHz)	120-375	5	N	N	---	1660	1.0	N	N	---	A
EPC3133-5	TNY267	120-375	3.3	N	15	---	2800	2.0	N	.05	---	A
EPC3133-6	TNY268 (132 KHz)	120-375	24	24	13	---	1800	0.17	0.17	.05	---	A

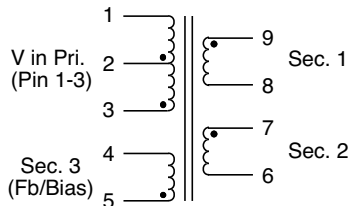
• Switching Frequency : 132 KHz/44 KHz • Isolation : 3750 Vrms •

Dielectric Rating (Vdc)

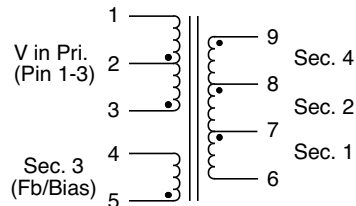
1 sec. 4500 or 60 sec. 3750	1 sec. 4500 or 60 sec. 3750	1 sec. 1500 or 60 sec. 1000
Pri. to all Sec. Wdg's	Between Sec. Wdg's to Core	Between Pri. Wdg & Bias

• Note : "N" means Not Required/No Connections •

Schematic A

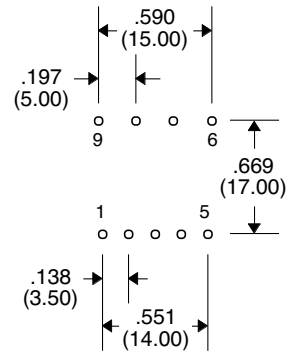
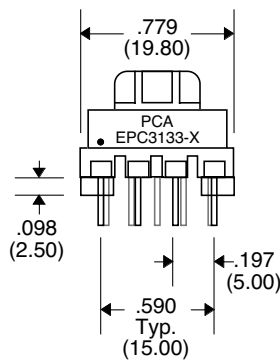
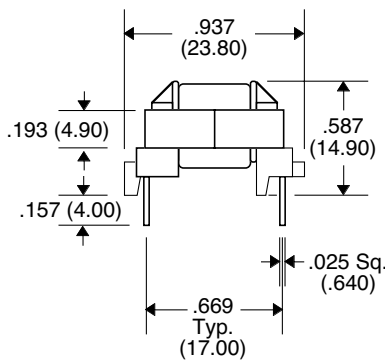


Schematic B



Shield is optional
Pin #2 is not connected in circuit

Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

EPC3129-X

- Used in SMPS Flyback Topology
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- Reinforced Insulation (Triple Insulated Wire)
- UL 94V-0 Recognized Components
- UL 1446 Class F Insulation System
- Very Low Core Loss

Electrical Parameters @ 25° C

PCA Part Number	Chipset	Voltage (Vdc)					Primary OCL ($\mu\text{H} \pm 10\%$) @ 10 KHz, 0.1 Vrms	Current (Amp.)				Schematic
		V in	V out 1	V out 2	V out 3	V out 4		Sec. 1	Sec. 2	Sec. 3	Sec. 4	
EPC3129-1	TOP244Y	120-375	12	N	15	---	876	2.5	N	.05	---	A
EPC3129-2	TOP243P	120-375	5	3.3	15	30	1000	0.9	1.5	.05	.03	B

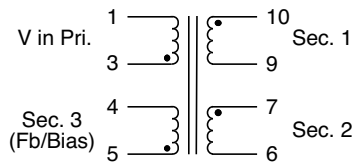
• Switching Frequency : 132 KHz • Isolation : 4500 Vrms •

Dielectric Rating (Vrms)

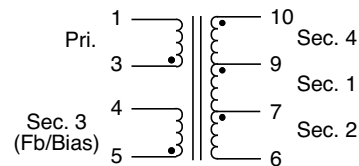
1 sec. 4500 or 60 sec. 3750	1 sec. 4500 or 60 sec. 3750	1 sec. 1500
Pri. to all Sec. Wdg's & Core	Between Sec. Wdg's to Core	Between Pri. Wdg & Bias

• Note : "N" means Not Required/No Connections •

Schematic A

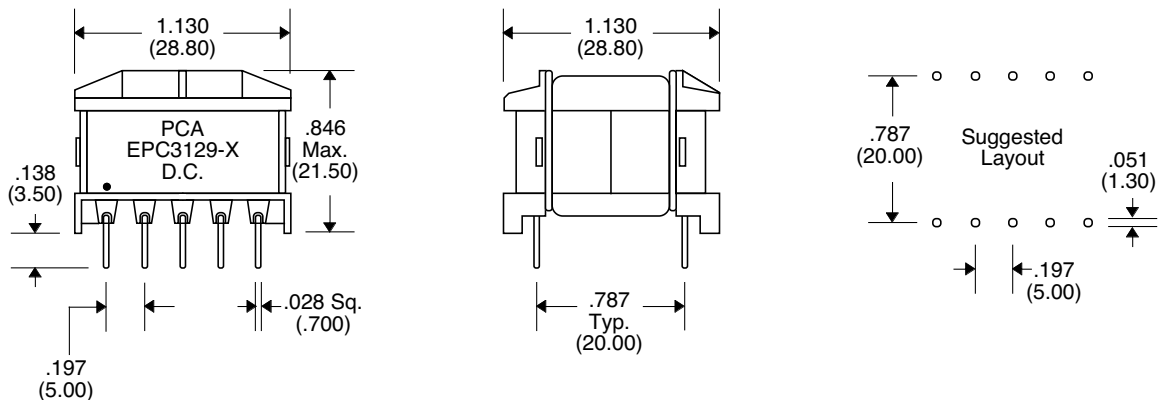


Schematic B



* Shield is optional

Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

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