

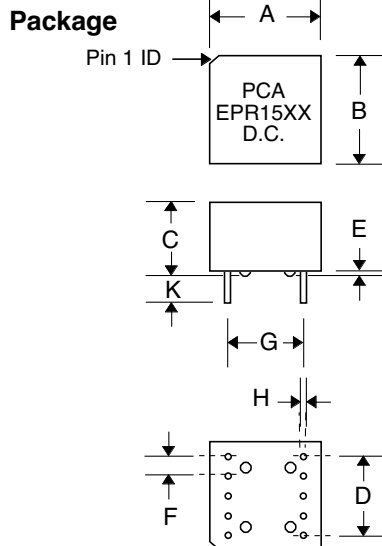
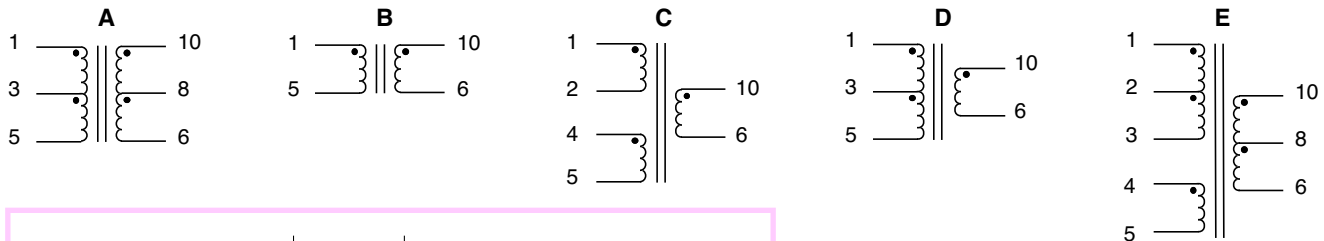
T1/CEPT Line Interface Transformers

- Optimized for Leading Transceiver I.C.'s •
 - Reinforced Insulation per UL1459 & UL1950, EN41003 & EN60950 •
 - 3000 Vrms Isolation •
 - See Selection Guide for I.C. Cross Reference •
 - Standard Operating Temperature : 0°C to 70°C •
 - For Extended Operating Temperature : -40°C to +85°C •
- (add suffix "E" to end of PCA Part Number: Example; EPR1546E)

Electrical Parameters @ 25° C

Part Number	Turns Ratio	OCL (mH Min.)	Cw/w (pF Max.)	LI (μH Max.)	Pri. DCR (Ω Max.)	Sec. DCR (Ω Max.)	Primary Pins	Schematic
EPR1541	1.27SC:1	.800	15	.70	.50	.35	1-5	C
EPR1542	1CS:1	.800	15	.70	.50	.45	1-5	C
EPR1543	1:1.36CT	1.20	35	.60	.70	.90	10-6	D
EPR1544	1CT:2CT	1.20	20	.30-.55	.50	.90	1-5	A
EPR1545	1:1	1.20	20	.50	.50	.50	1-5	B
EPR1546	1CT:2CT	1.20	15	.80	.70	1.10	1-5	A
EPR1547	1CT:3CT:1	.600	30	.80	.70	1.70	1-3	E
EPR1548	1:1.08/1.36	1.50	20	.60	.70	.90	10-6	D
EPR1549	1:1.4CT	1.50	30	1.00	.70	.90	10-6	D
EPR1550	1:1/1.26	1.50	35	.60	.70	1.10	10-6	D
EPR1551	1:1.58/2	1.50	20	.70	.70	1.20	10-6	D
EPR1552	1CT:1.41CT	1.20	20	.80	.60	.80	10-6	A

Schematic



Dimensions

Dim.	(Inches)			(millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.540	.560	.550	13.72	14.22	13.97
B	.540	.560	.550	13.72	14.22	13.97
C	.380	.400	.390	9.65	10.16	9.91
D	---	---	.400	---	---	10.16
E	.025	.035	.030	.635	.889	.762
F	---	---	.100	---	---	2.54
G	.395	.405	.400	10.03	10.29	10.16
H	.022	.028	.025	.559	.711	.635
K	.115	.125	.120	2.92	3.18	3.05