

T1/E1 Interface Transformer

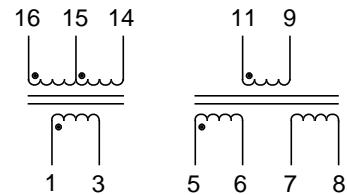
EPR1093SE

- Dual Surface Mount in small (SOIC) package •
- Meets or exceeds UL1459, UL1950 & EN60950 Standards •
 - 1500 Vrms Isolation •
- Transmit and Receive Transformers in one package •
 - Operating Temp. : -40°C - 85°C •

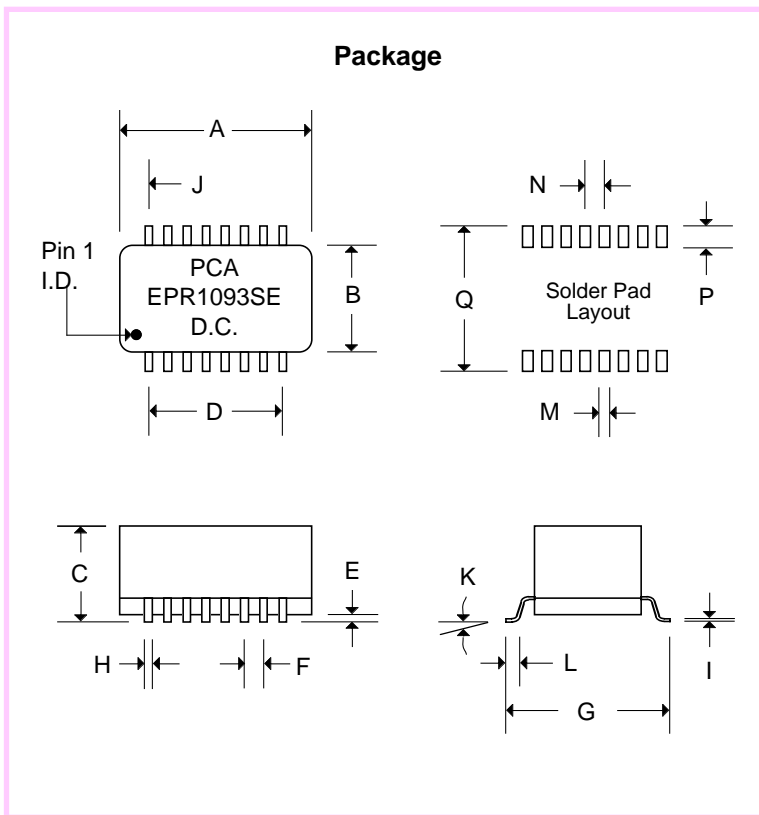
Electrical Parameters @ 25° C

OCL (mH Typ.)	Leakage Inductance (μH Max.)	Interwinding Capacitance (pF Max.)	Turns Ratio (Pri : Sec ± 2%)	Crosstalk (dB Typ..)	Pri. DCR (Ω Max.)
1.5	0.5	35	1:2CT/1:1:1	-60	0.8
Pins 1-3, 5-6	Pins 1-3, 5-6	---	Pins 1-3:16-14/5-6:7-8:11-9	0.5 Mhz-5 MHz	Pins 1-3, 5-6

Schematic



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.490	.510	.500	12.45	12.95	12.70
B	.260	.280	.270	6.60	7.11	6.86
C	.230	.250	.240	5.84	6.35	6.10
D	---	---	.350	---	---	8.89
E	.005	.015	.010	.127	.381	.254
F	---	---	.050	---	---	1.27
G	.370	.390	.380	9.40	9.91	9.66
H	.018	.022	.020	.457	.559	.508
I	---	---	.010	---	---	.254
J	---	---	.075	---	---	1.91
K	0°	8°	---	0°	8°	---
L	.025	.045	.035	.635	1.14	.889
M	---	---	.030	---	---	.762
N	---	---	.050	---	---	1.27
P	---	---	.085	---	---	2.16
Q	---	---	.440	---	---	11.18