

# MDSL Transformer

## EPD8000G

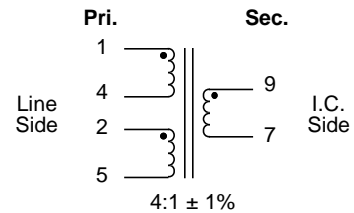
- For use with Globespan MDSL chipset •
- Designed to meet supplementary Insulation Requirements of IEC 950 for 250 VAC Working Voltage
  - 2050 Vrms Isolation •
- Temperature Range -40°C to +85°C •

### Electrical Parameters @ 25° C

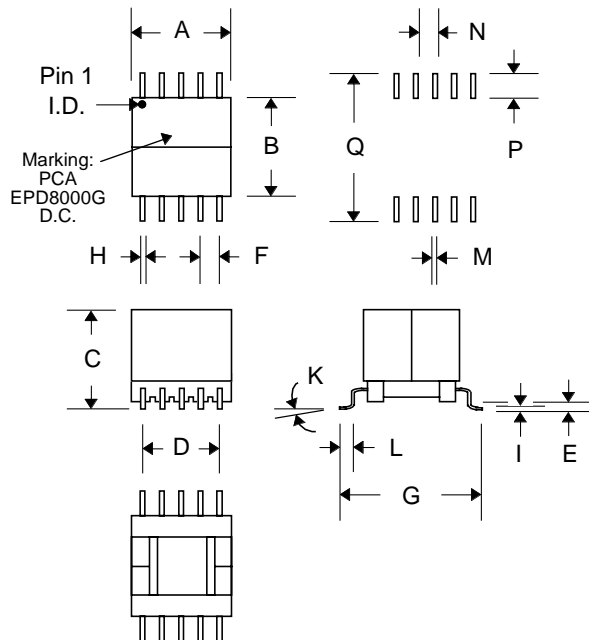
Inductance (mH ± 10%)	Leakage Inductance (µH Max.)	Frequency Response (± dB Max.)	Longitudinal Balance (dB Min.)	THD (dB Max.)	DCR (Ω Max.)	
					Pri.	Sec.
@ 10 KHz 0.1 Vrms	@ 100 KHz 0.1 Vrms	40~300 KHz (Ref. to 100 KHz)	40~300 KHz	@ 40 KHz, 12 V p-p		
2.0	11	0.25	-50	-80	2.5	1.0
Pins 1-5 with 4,2 Shorted	Pins 1-5 with 4,2 & 9,7 Shorted			Line Side	Pins 1-5	Pins 9-7

- Line Side Impedance : 135Ω ( Pin 1-5 w/ 4-2 shorted ) •

### Schematic



### Package



### Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.490	.530	.512	12.45	13.46	13.00
B	.506	.516	.510	12.85	13.11	12.95
C	.460	.480	.470	11.68	12.19	11.94
D	.389	.399	.394	9.88	10.13	10.00
E	.005	.015	.010	.127	.381	.254
F	.093	.103	.098	2.36	2.62	2.49
G	.665	.675	.670	16.89	17.15	17.02
H	.026	.030	.028	.660	.762	.711
I	.010	.014	.012	.254	.356	.305
K	0°	8°	---	0°	8°	---
L	.029	.049	.039	.737	1.25	.991
M	---	---	.051	---	---	1.29
N	---	---	.098	---	---	.249
P	---	---	.100	---	---	2.54
Q	---	---	.700	---	---	17.78