

# MDSL/HDSL2 Modem Transformer

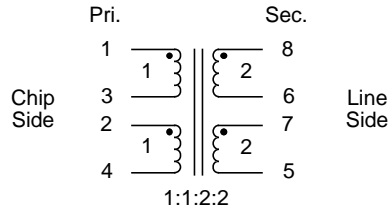
## EPB5042G

- Optimized for use with Globespan's MDSL/HDSL2 Transceivers IC's
- Designed to meet Supplementary Insulation Requirements of IEC950 for 250V Working Voltage
  - Excellent THD Performance
  - 1500 Vrms Isolation

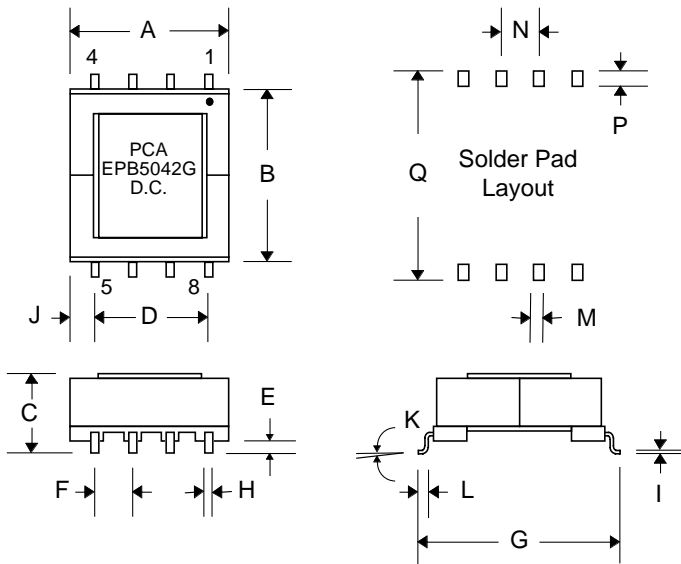
### Electrical Parameters @ 25° C

Primary OCL (mH ± 10%.)	Leakage Inductance (µH Max.)	Return Loss (dB Min.)	Total Harmonic Distortion (dB Typ.)	DCR (Ω Max.)	
				Primary	Secondary
@ 10 KHz, 0.1 Vrms	@ 10 KHz, 0.1 Vrms	10 KHz to 1 MHz	@ 10 KHz, 3.5 Vrms	Primary	Secondary
3.125	9	-10	-80	6	7
Pins 1-4 with 2, 3 shorted				Pins 1-4 with 2, 3 shorted	Pins 5-8 with 6, 7 shorted

### Schematic



### Package



### Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.820	.840	.830	2.083	21.34	21.08
B	.890	.910	.900	22.61	23.12	22.86
C	.370	.390	.380	9.40	9.91	9.66
D	.590	.610	.600	14.99	15.50	15.24
E	.010	.020	.015	.254	.508	.380
F	.195	.205	.200	4.96	5.21	5.08
G	1.04	1.06	1.05	26.42	26.92	26.67
H	.035	.045	.040	.890	1.14	1.02
I	.015	.025	.020	.380	.640	.508
J	---	---	.115	---	---	3.94
K	0	8°	---	0°	8°	---
L	.020	.030	.025	.508	.760	.640
M	---	---	.060	---	---	1.52
N	---	---	.200	---	---	5.08
P	---	---	.075	---	---	1.90
Q	---	---	1.11	---	---	28.20