

# ADSL Transformer

## EPD1008G

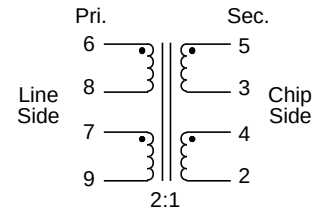
- Designed for use with Texas Instruments TNETD2000 ADSL Chip Set
- Designed to meet Supplementary Insulation Requirement of IEC950 for 250 VAC working Voltage
- Excellent THD Characteristic
- Isolation : 2000Vrms

### Electrical Parameters @ 25° C

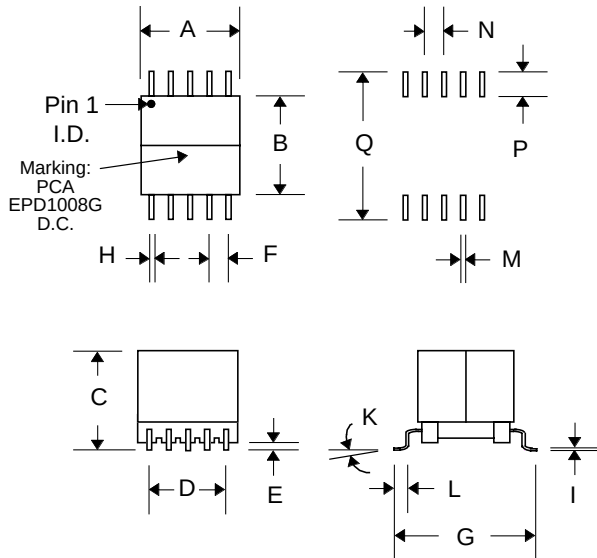
| Pri. OCL<br>(mH $\pm$ 5%) | Leakage Inductance<br>( $\mu$ H Max.) | Total Harmonic Distortion<br>(dB Typ.) | Longitudinal Balance<br>(dB Min.) | DCR<br>( $\Omega$ Max. $\pm$ 10%) |          |
|---------------------------|---------------------------------------|----------------------------------------|-----------------------------------|-----------------------------------|----------|
| @ 10 KHz, 1 Vrms          | @ 10 KHz, 0.1 Vrms                    | @100 KHz, 27.5 dBm                     | 20 KHz~1.1 MHz                    | Pri.                              | Sec.     |
| 1.5                       | 10                                    | -85                                    | -40                               | 2                                 | 0.5      |
| Pins 6-9 w/8-7 shorted    | Pins 6-9 w/8-7, 3-4 & 5-2 shorted     |                                        |                                   | Pins 6-9                          | Pins 5-2 |

- Characteristics Line Side Impedance : 100  $\Omega$

### 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    | .395     | .405 | .400 | 10.03         | 10.29 | 10.16 |
| E    | .005     | .015 | .010 | .127          | .381  | .254  |
| F    | .095     | .105 | .100 | 2.41          | 2.67  | 2.54  |
| 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 |