

# ADSL Transformer

## EPD1009

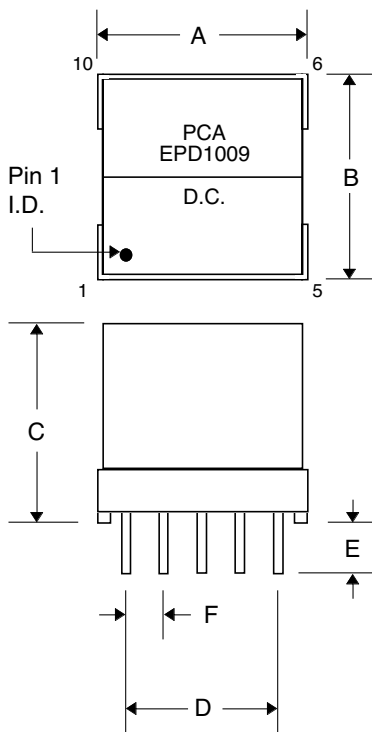
- Designed for ADSL Applications •
- Designed to meet Supplementary Insulation Requirement •  
of IEC950 for 250 VAC working Voltage
- Excellent THD Characteristic •
- Isolation : 2000Vrms •

### Electrical Parameters @ 25° C

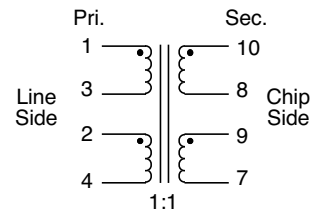
| Pri. OCL<br>( $\mu\text{H} \pm 5\%$ ) | Leakage Inductance<br>( $\mu\text{H}$ Max.) | Insertion Loss<br>(dB Max.) | Total Harmonic Distortion<br>(dB Typ.) | Longitudinal Balance<br>(dB Min.) | DCR<br>( $\Omega \pm 10\%$ Max.) |              |
|---------------------------------------|---|-----------------------------|--|-----------------------------------|----------------------------------|--------------|
|                                       |   |                             |  |                                   | Pri.                             | Sec.         |
| @ 10 KHz,<br>0.1 Vrms                 | @ 100 KHz,<br>0.1 Vrms                      | @ 100 KHz                   | @40 KHz,<br>2.5 Vrms                   | 20 KHz~<br>1.1 MHz                |                                  |              |
| 850                                   | 5.5   | -0.5                        | -90                                    | -40                               | 1.2                              | 0.8          |
| Pins 1-4 w/<br>2-3 shorted            | Pins 1-4 w/2 & 3,<br>10-7 & 8 & 9 shorted   | Pri. to Sec.                |  |                                   | Pins<br>1-4                      | Pins<br>10-7 |

• Characteristics Impedance : 100  $\Omega$  •

### Package



### Schematic



### Dimensions

| Dim. | (Inches) |      |      | (Millimeters) |       |       |
|------|----------|------|------|---------------|-------|-------|
|      | Min.     | Max. | Nom. | Min.          | Max.  | Nom.  |
| A    | ---      | .550 | .520 | ---           | 13.97 | 13.20 |
| B    | ---      | .550 | .520 | ---           | 13.97 | 13.20 |
| C    | ---      | .500 | .490 | ---           | 12.70 | 12.44 |
| D    | ---      | ---  | .400 | ---           | ---   | 10.16 |
| E    | .100     | .160 | .130 | 2.54          | 4.06  | 3.30  |
| F    | ---      | ---  | .100 | ---           | ---   | 2.54  |
| G    | ---      | ---  | .400 | ---           | ---   | 10.16 |
| H    | ---      | ---  | .020 | ---           | ---   | .508  |