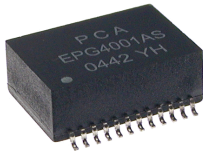


## EPG4001AS & EPG4001AS-RC



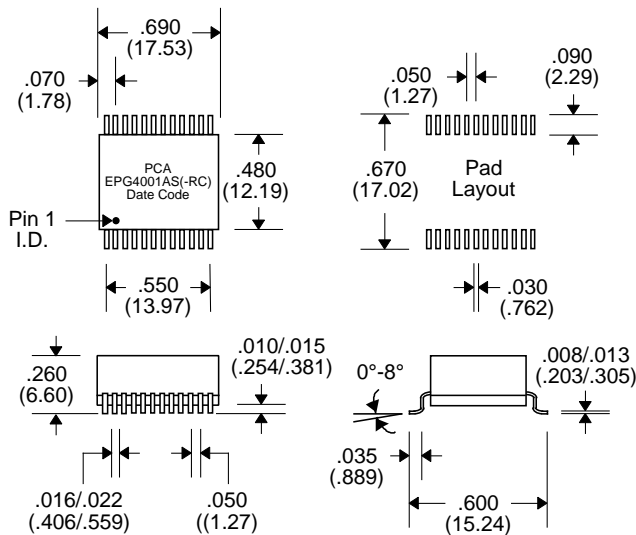
- Complies with or exceeds IEEE 802.3ab 1000Base-T
- Guaranteed to operate with 10/100Base-TX
- 1500 Vrms Isolation
- RoHS Compliant
- Autotransformer for Enhanced EMI Performance

### Electrical Parameters @ 25° C

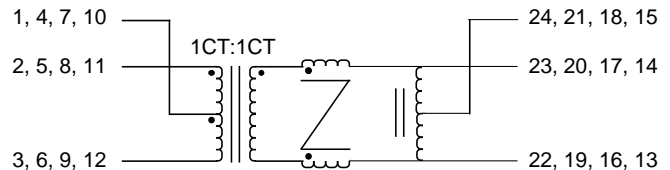
| OCL<br>( $\mu$ H Min.) | Insertion Loss<br>(dB Max.)         |             |               | Return Loss<br>(dB Min.) |             |           |           | CMRR<br>(dB Min.) | Common to Differential<br>(dB Min.) |             |          |           | Crosstalk<br>(dB Min.) |            |             |
|------------------------|-------------------------------------|-------------|---------------|--------------------------|-------------|-----------|-----------|-------------------|-------------------------------------|-------------|----------|-----------|------------------------|------------|-------------|
|                        | @ 100 KHz, 0.1 Vrms<br>8 mA DC bias | 1-65<br>MHz | 65-100<br>MHz | 100-125<br>MHz           | 1-40<br>MHz | 60<br>MHz | 80<br>MHz |                   | 100<br>MHz                          | 1-80<br>MHz | 1<br>MHz | 30<br>MHz | 50<br>MHz              | 100<br>MHz | 1-40<br>MHz |
| 350 (Media Side)       | -1                                  | -1.1        | -1.5          | -18                      | -15         | -12       | -10       | -30               | -60                                 | -40         | -35      | -30       | -40                    | -35        | -30         |

• Rise Time : 1.75 nS Max. • Impedance : 100  $\Omega$  •

### Package



### Schematic



| Notes :   | EPG4001AS   | EPG4001AS-RC                                     |
|---|---|--|
| 1. Lead Finish  | SnPb  | Hot Tin Dip (Sn) †                               |
| 2. Peak Temperature Rating  | 225°C   | 245°C  |
| 3. Moisture Sensitive Levels  | MSL = 3<br>(168 Hours, $\leq 30^{\circ}$ C/60%RH) | MSL = 4<br>(72 Hours, $\leq 30^{\circ}$ C/60%RH) |
| 4. Weight   | 3.18 grams  | 3.18 grams                                       |
| 5. Packaging Information (Tube)   | 30 pieces/tube                                    | 30 pieces/tube                                   |
| (*Add "TR" to end of part number, but in front of "-RC" when placing order) (Tape & Reel) | 350 pieces/13" reel<br>(*EPG4001ASTR)             | 350 pieces/13" reel<br>(*EPG4001ASTR-RC)         |

† Lead Material : Matte Tin with Ni Barrier

Unless Otherwise Specified Dimensions are in Inches /mm  $\pm .010 / .25$