

# T3/DS3/E3/STS-1 Interface Transformers



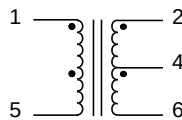
- Optimized for leading Transceiver I.C.'s •
- Meets or exceeds UL1950, EN60950 & G703 Standards •
- 2000 Vrms Isolation •
- See Selection Guide for I.C. Cross Reference •

## Electrical Parameters @ 25° C

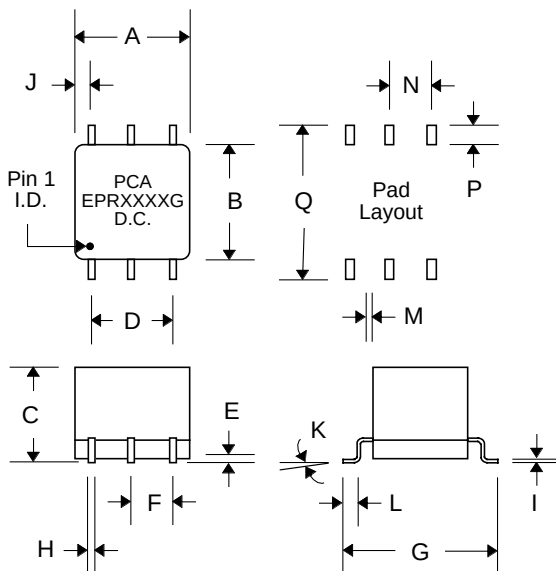
| Part Number | Turns Ratio | OCL<br>( $\mu$ H Min.) | Cw/w<br>(pF Max.) | LI<br>( $\mu$ H Max.) | DCR<br>( $\Omega$ Max.) | Primary Pins |
|-------------|-------------|------------------------|-------------------|-----------------------|-------------------------|--------------|
| EPR1301G*   | 1:1         | 40                     | 13                | 0.12                  | 1.7 / 1.7               | 1, 5 *       |
| EPR1302G    | 1:2CT       | 35                     | 20                | 0.12                  | 1.0 / 1.0               | 1, 5         |
| EPR1303G    | 1:4CT       | 150                    | 15                | 0.3                   | 1.4 / 1.4               | 1, 5         |
| EPR1304G    | 1:1.73CT    | 50                     | 12                | 0.1                   | 1.0 / 1.8               | 1, 5         |
| EPR1326G*   | 1:1         | 40                     | 13                | 0.12                  | 1.4 / 1.2               | 1, 5 *       |
| EPR1327G    | 1:2CT       | 35                     | 20                | 0.12                  | 1.4 / 1.4               | 1, 5         |
| EPR1328G    | 1:4CT       | 150                    | 15                | 0.3                   | 1.4 / 1.4               | 1, 5         |
| EPR1329G    | 1:1.73CT    | 50                     | 12                | 0.1                   | 1.2 / 1.2               | 1, 5         |

• \* Pin 4 not connected •

## Schematic



## Package



## Dimensions

| Dim. | (Inches) |      |       | (millimeters) |       |       |
|------|----------|------|-------|---------------|-------|-------|
|      | Min.     | Max. | Nom.  | Min.          | Max.  | Nom.  |
| A    | .280     | .300 | .290  | 7.11          | 7.62  | 7.37  |
| B    | .280     | .300 | .290  | 7.11          | 7.62  | 7.37  |
| C    | .230     | .250 | .240  | 5.84          | 6.35  | 6.10  |
| D    | ---      | ---  | .500  | ---           | ---   | 12.70 |
| E    | .010     | .015 | .0125 | .254          | .381  | .318  |
| F    | ---      | ---  | .100  | ---           | ---   | 2.54  |
| G    | .380     | .400 | .390  | 13.72         | 12.22 | 13.97 |
| H    | .018     | .022 | .020  | .457          | .559  | .508  |
| I    | .008     | .012 | .010  | .203          | .305  | .254  |
| J    | ---      | ---  | .085  | ---           | ---   | 2.16  |
| K    | 0°       | 8°   | ---   | 0°            | 8°    | ---   |
| L    | .035     | .055 | .045  | .635          | 1.14  | .889  |
| M    | ---      | ---  | .030  | ---           | ---   | .762  |
| N    | ---      | ---  | .100  | ---           | ---   | 2.54  |
| P    | ---      | ---  | .085  | ---           | ---   | 2.16  |
| Q    | ---      | ---  | .610  | ---           | ---   | 15.50 |