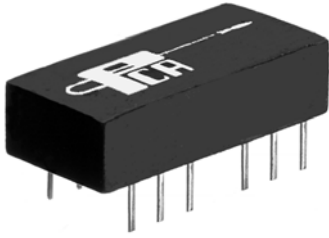


# T1/CEPT/ISDN-PRI Interface Transformers

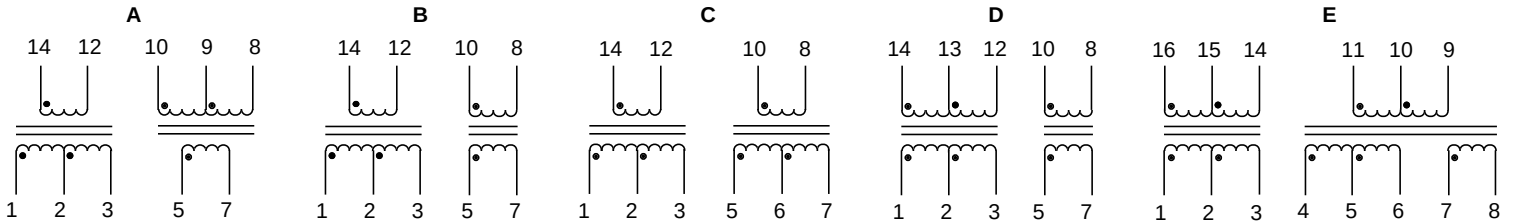


- Optimized for Leading Transceiver I.C.'s •
- Meets or exceeds UL1459, UL1950 & EN60950 Standards •
- 1500 Vrms Isolation •
- See Selection Guide for I.C. Cross Reference •

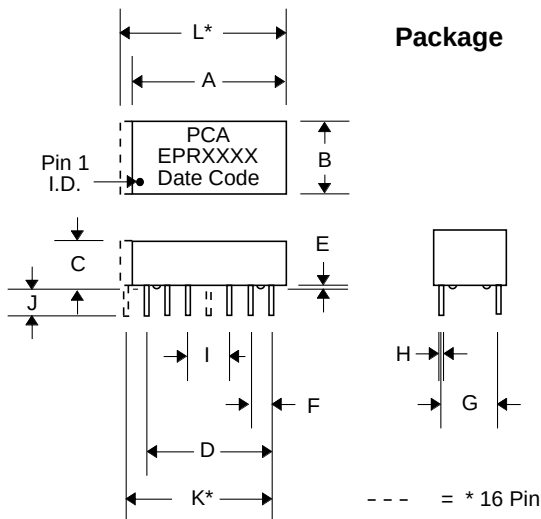
## Electrical Parameters @ 25° C

| Part Number | Turns Ratio     | OCL (mH Min.) | Cw/w (pF Max.) | LI (μH Max.) | Pri. DCR (Ω Max.) | Sec. DCR (Ω Max.) | Primary Pins      | Schematic |
|-------------|-----------------|---------------|----------------|--------------|-------------------|-------------------|-------------------|-----------|
| EPR1026     | 1:2CT/1:2CT     | 1.2 / 1.2     | 35 / 35        | 0.5 / 0.5    | 0.7 / 0.7         | 1.2 / 1.2         | 14,12 / 5,7       | A         |
| EPR1027     | 1:2CT/1:1.36    | 1.2 / 1.2     | 35 / 35        | 0.5 / 0.5    | 0.8 / 0.8         | 1.2 / 1.0         | 14,12 / 5,7       | B         |
| EPR1028     | 1:2CT/1:2CT     | 2.0 / 2.0     | 50 / 50        | 0.6 / 0.6    | 1.0 / 1.0         | 2.0 / 2.0         | 14,12 / 10,8      | C         |
| EPR1029     | 1:2CT/1:1       | 1.2 / 1.2     | 30 / 30        | 0.5 / 0.5    | 0.7 / 0.7         | 1.2 / 0.7         | 1,3 / 5,7         | D         |
| EPR1030     | 1:1.26/1:2CT    | 1.5 / 1.2     | 40 / 40        | 0.5 / 0.4    | 0.7 / 0.7         | 0.9 / 1.3         | 14,12 / 5,7       | A         |
| EPR1031     | 1:1.15CT/1:2CT  | 1.5 / 1.2     | 35 / 40        | 0.5 / 0.4    | 0.7 / 0.7         | 0.9 / 1.3         | 14,12 / 5,7       | A         |
| EPR1032     | 1:1CT/2CT:1     | 0.8 / 0.8     | 30 / 30        | 0.6 / 0.6    | 0.5 / 0.5         | 0.5 / 0.2         | 14,12 / 5,7       | C         |
| EPR1033     | 1:4CT/1:4CT     | 0.5 / 0.5     | 40 / 40        | 0.5 / 0.5    | 0.7 / 0.7         | 1.5 / 1.5         | 1,3 / 5,7         | C         |
| EPR1034*    | 1CT:1CT/1CT:3CT | 1.2 / 0.6     | 40 / 40        | 0.8 / 0.8    | 1.0 / 0.8         | 1.0 / 2.0         | 1,3 / 4, 6 / 7, 8 | E         |

## Schematic



## Package



## Dimensions

| Dim.                      | (Inches) |      |      | (Millimeters) |       |       |
|---------------------------|----------|------|------|---------------|-------|-------|
|                           | Min.     | Max. | Nom. | Min.          | Max.  | Nom.  |
| A                         | .780     | .800 | .790 | 19.81         | 20.32 | 20.07 |
| B                         | .365     | .385 | .375 | 9.27          | 9.78  | 9.52  |
| C                         | .230     | .250 | .240 | 5.84          | 6.35  | 6.10  |
| D                         | ---      | ---  | .600 | ---           | ---   | 15.24 |
| E                         | .013     | .017 | .015 | .330          | .432  | .381  |
| F                         | ---      | ---  | .100 | ---           | ---   | 2.54  |
| G                         | .290     | .310 | .300 | 7.37          | 7.87  | 7.62  |
| H                         | .017     | .023 | .020 | .432          | .584  | .508  |
| I                         | ---      | ---  | .200 | ---           | ---   | 5.08  |
| J                         | .110     | .140 | .125 | 2.79          | 3.57  | 3.17  |
| <b>*16 Pin Dimensions</b> |          |      |      |               |       |       |
| K                         | .880     | .900 | .890 | 22.35         | 22.86 | 22.61 |
| L                         | ---      | ---  | .700 | ---           | ---   | 17.78 |