# T1/E1 Transformers

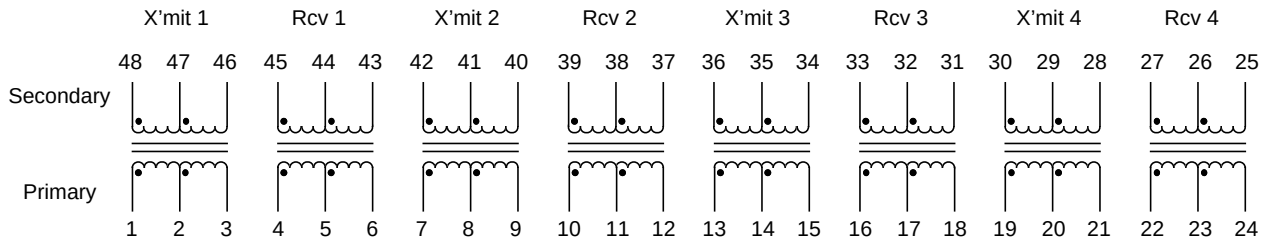
## EPR1501S

- Robust construction allows for solder reflow processes •
- Isolation: 3K Vrms •
- Operating Temp: 0˚C to + 70˚C •

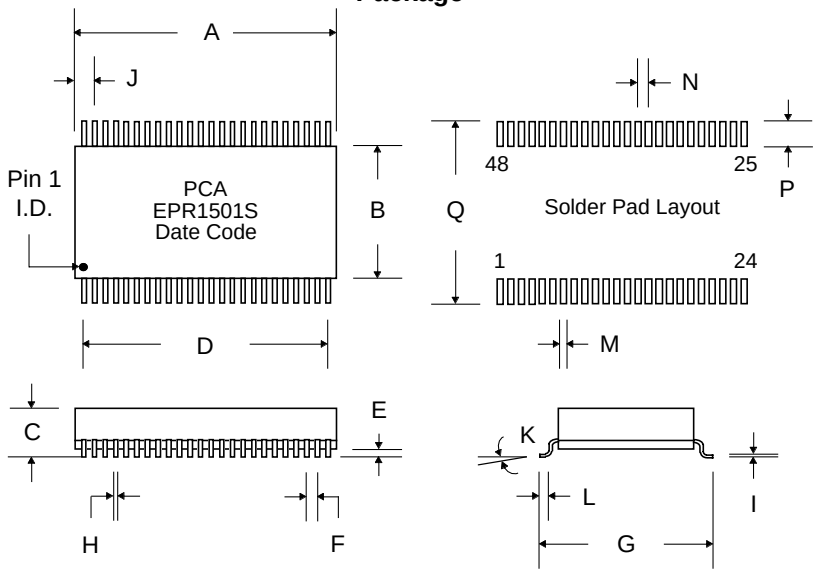
### Electrical Parameters @ 25° C

| Pri. OCL (mH Min.) | | Leakage Inductance (uH Max) | Interwinding Capacitance (pF Max.) | Pri. DCR (Ω Max) | | Ratio (± 2%) | |
|---|---|---|---|---|---|---|---|
| 10 KHz, 0.2 Vrms | | @100 KHz, 0.02 Vrms | @100 KHz, 0.02 Vrms | | | Pri. : Sec. | |
| 2.2 | 1.2 | 0.6 uH | 35 | 1.0 | 0.7 | 1.36CT:1CT | 1CT:1CT |
| X'mit | Rcv | Measure @ Sec. with Pri. Shorted | | X'mit | Rcv | X'mit | Rcv |

### Schematic




### Package




### Dimensions

| Dim. | (Inches) Min. | Max. | Nom. | (Millimeters) Min. | Max. | Nom. |
|---|---|---|---|---|---|---|
| A | 1.245 | 1.265 | 1.255 | 31.62 | 32.12 | 31.88 |
| B | .700 | .720 | .710 | 17.78 | 18.29 | 18.03 |
| C | .290 | .310 | .300 | 7.37 | 7.87 | 7.62 |
| D | --- | --- | 1.150 | --- | --- | 29.20 |
| E | .010 | .015 | .012 | .254 | .381 | .305 |
| F | --- | --- | .050 | --- | --- | 1.27 |
| G | .840 | .860 | .850 | 21.34 | 21.84 | 21.60 |
| H | .016 | .022 | .029 | .406 | .559 | .483 |
| I | .008 | .012 | .010 | .203 | .305 | .254 |
| J | --- | --- | .085 | --- | --- | 2.16 |
| K | 0° | 8° | --- | 0° | 8° | --- |
| L | .025 | .045 | .035 | .635 | 1.14 | .889 |
| M | --- | --- | .030 | --- | --- | .762 |
| N | --- | --- | .050 | --- | --- | 1.27 |
| P | --- | --- | .090 | --- | --- | 2.29 |
| Q | --- | --- | .900 | --- | --- | 22.90 |

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Product performance is limited to specified parameters. Data is subject to change without prior notice.

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