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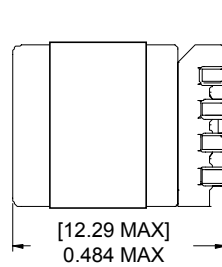
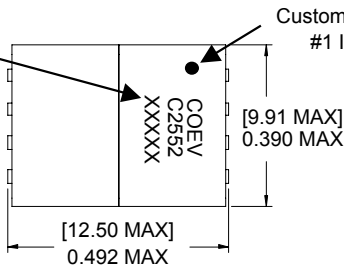
MAGNETICS

tyco Electronics

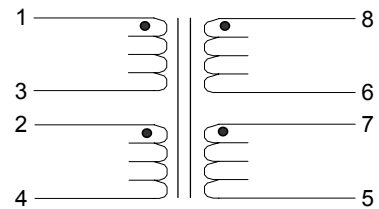
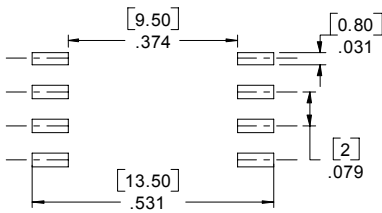
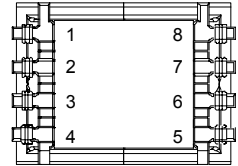
Product Description

ADSL Line Coupling Transformer, 1mH, 2:1 (Line:IC), CEP9
Meets requirements of IEC60950 for supplementary insulation, 250V working voltage

EIA date code and lot code



A Coplanar with surface A
+0.006"/-0.000"



Contact Area Terminal Dimensions
Customer to determine PCB pad dimensions.

Information subject to change without notice. 11/02

Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

| Test Description | Limit | Units | Tol | Notes |
|----------------------------|-------------|-------|-------|---|
| Inductance | 1.00 | mH | ±5% | 1-4 tie(2+3), 10kHz, 100mVAC, Ls. |
| Leakage Inductance | 5.50 | µH | Max. | 1-4 tie(2+3,5-8), 100kHz, 100mVAC, Ls. |
| DC Resistance | 0.34 | Ω | ±10% | 8-6 |
| DC Resistance | 0.91 | Ω | ±10% | 1-3 |
| DC Resistance | 0.93 | Ω | ±10% | 2-4 |
| DC Resistance | 0.39 | Ω | ±10% | 7-5 |
| Turns Ratio | 2.00 : 1.00 | --- | ±1% | (1-4) : (10-7) tie(2+3,6+7), 10KHz, 100mVAC. |
| Dielectric | 1,875 | VAC | 500µA | 1-8 tie(2+3,6+7), 1 second test, 500µA maximum leakage current. |
| Total Harmonic Distortion | -95.00 | dB | Max. | 40kHz, 2.5 Vrms, [7.07 Vp-p], Line:IC |
| Insertion Loss | 0.50 | dB | Max. | 100kHz. |
| Frequency Response | ±0.50 | dB | --- | 30kHz - 1.1MHz, 100kHz Reference. |
| Longitudinal Balance (ITU) | 40.00 | dB | Min. | 20kHz - 1.1MHz, Gnd pin 8 or 8. |

Patent Pending

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