

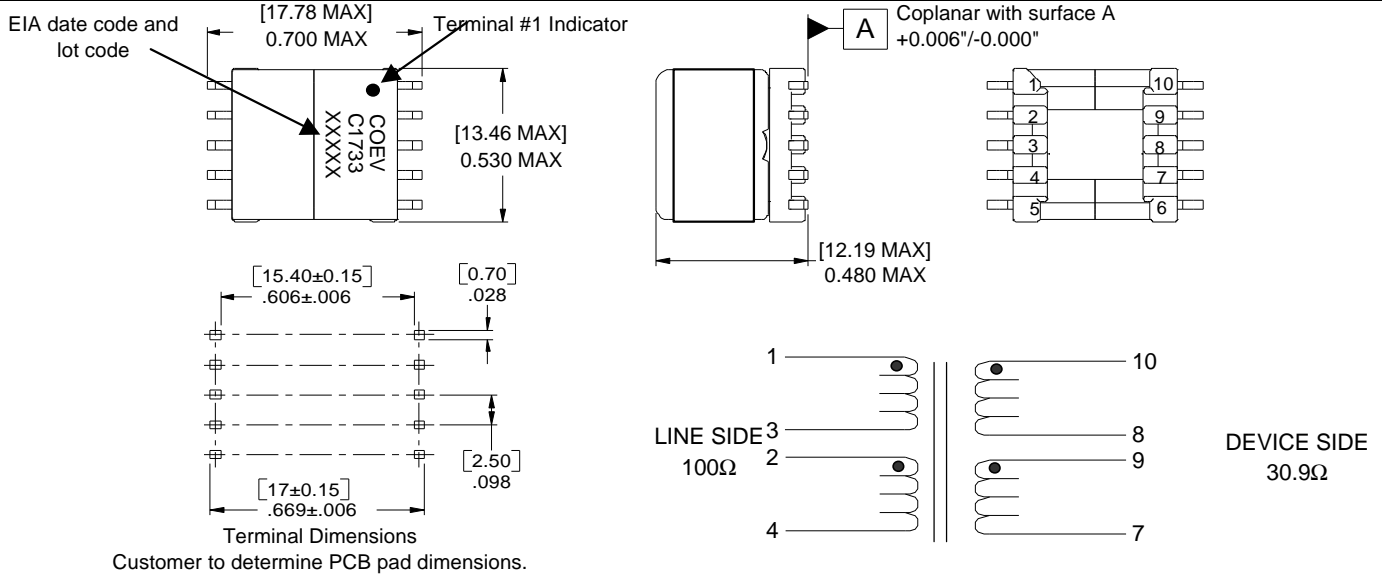
C1733



tyco Electronics

Product Description

ADSL Line Coupling Transformer, IEC60950 Supplementary 250V 450µH, 1.80 : 1.00 (Line : IC), SMD EP13



Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

Test Description	Limit	Units	Tol	Notes
Inductance	450.0	µH	5.0%	1-4 tie(3+2), 10kHz, 100mVAC, Ls.
Leakage Inductance	5.50	µH	Max.	1-4 tie(3+2, 8+9, 10-7), 100kHz, 100mVAC, Ls.
DC Resistance	0.250	Ω	Max.	10-8
DC Resistance	0.800	Ω	Max.	1-3
DC Resistance	0.800	Ω	Max.	2-4
DC Resistance	0.300	Ω	Max.	9-7
Turns Ratio	1.80	---	1.00%	(1-4) : (10-7) tie(8+9, 2+3), 10KHz, 100mVAC.
Dielectric	1875	VAC	500µA	1-10 tie(2+3, 8+9), 1 second test, 500µA maximum leakage current.
Total Harmonic Distortion	-95	dB	Typ.	40KHz, 2.5Vrms [7.07 Vp-p], Line : IC
Insertion Loss	0.300	dB	±0.20	100kHz.
Frequency Response	±1.2	dB	Typ.	100kHz Reference.
Longitudinal Balance (ITU)	-40	dB	Min.	20kHz - 1.1MHz, Gnd pin 10 or 7.

Agency Approvals

BABT	Certificate No. NC/000166	Japan (via CB Cert.)	Certif. No. GB551W
UL1950	File E189690	Austel (via CB Cert.)	Certif. No. GB551W
CSA 950 (via UL/CUL)	File E189690	Sweden (via CB Cert.)	Certif. No. GB551W
IEC 60950 (via CB Cert.)	Certificate No. GB551W	Norway (via CB Cert.)	Certif. No. GB551W

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