

C1971

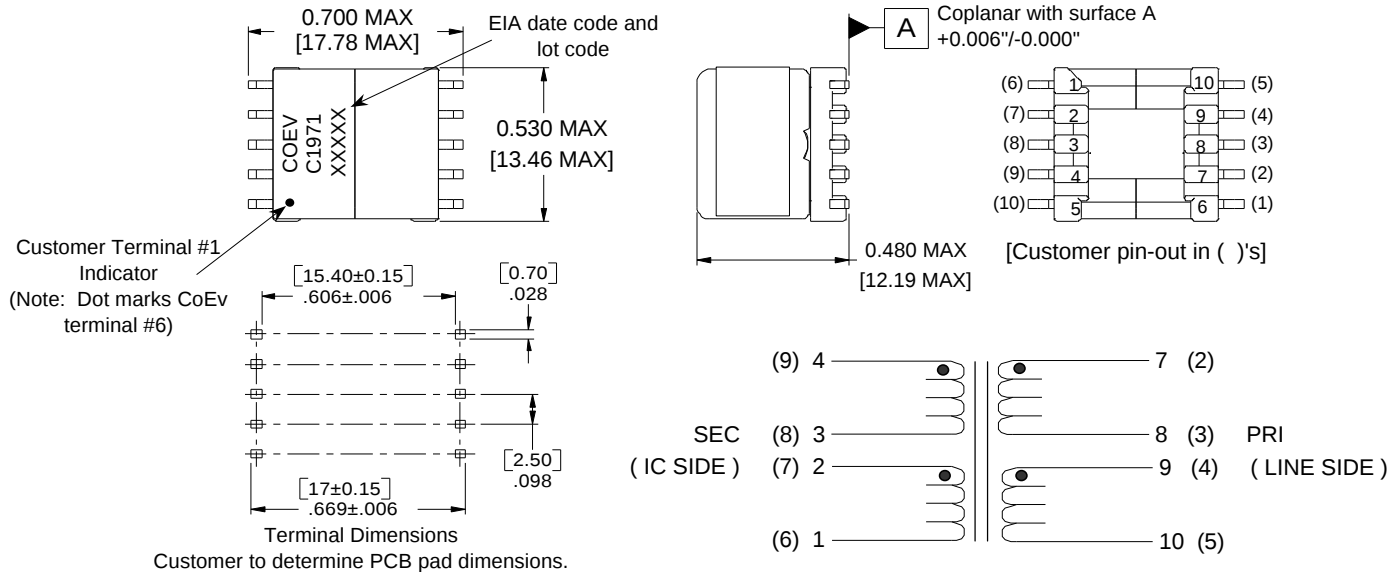


tyco Electronics

Product Description

ADSL CP Line Transformer

Meets requirements of IEC60950 for supplementary insulation, 250V working voltage



Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

Test Description	Limit	Units	Tol	Notes (Test terminals reference CoEv pin numbering)
Inductance	600	μH	± 5%	7-10 tie(8+9), 10kHz, 100mVAC, Ls.
Leakage Inductance	6.00	μH	Max.	7-10 tie(8+9, 2+3, 1+4), 100kHz, 100mVAC, Ls.
DC Resistance	0.39	Ω	Max.	7-8
DC Resistance	0.53	Ω	Max.	9-10
DC Resistance	1.09	Ω	Max.	2-1
DC Resistance	1.09	Ω	Max.	4-3
Turns Ratio	1 : 1.2	---	± 1%	(7-10) : (4-1) tie(8+9, 2+3), 10KHz, 100mVAC.
Dielectric	1875	VAC	500μA	7-4 tie(2+3, 8+9), 1 second test, 500μA maximum leakage current.
Interwinding Capacitance	85.0	pF	Max.	7-4 tie(2+3, 8+9), 100kHz, 100mVAC, Cs.
Total Harmonic Distortion	-80.0	dB	Max.	30kHz, 2.5Vrms [7.07 Vp-p], Line : IC.
Longitudinal Balance (ITU)	40.0	dB	Min.	20kHz - 600kHz.

Designed to reflect 100 ohms on the Line with 144 ohms on the IC side.

Meets Bellcore GR-1089-CORE 1st & 2nd Level AC Power Fault Tests (4.5.12 & 4.5.13) (1.0 A continuous for 30 minutes) for applications with proper build-out protection circuitry (current and voltage limiting).

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