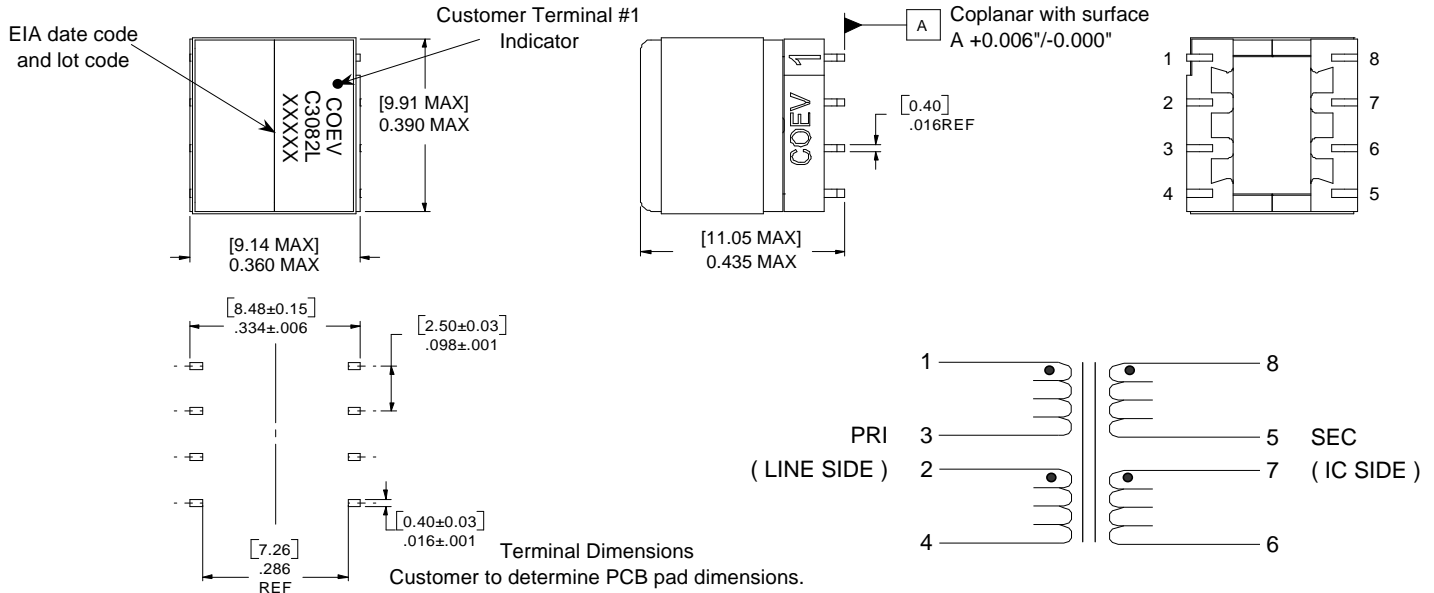


C3082L



Product Description

CEP7 0.83:1 ADSL DMT CO Line Transformer
Meets requirements of IEC60950 for basic 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
Inductance	750	μH	±6%	1-4 tie(2+3), 10kHz, 100mVAC, Ls.
Leakage Inductance	3.00	μH	Max.	1-4 tie(2+3, 5+6+7+8), 100kHz, 100mVAC, Ls.
DC Resistance	0.400	Ω	±10%	1-3
DC Resistance	0.500	Ω	±10%	2-4
DC Resistance	0.630	Ω	±10%	8-5
DC Resistance	0.630	Ω	±10%	7-6
Turns Ratio	0.83 : 1	---	±1%	(1-4) : (8-6) tie(2+3, 5+7), 10KHz, 100mVAC.
Dielectric	1,875	VAC	500μA	1-8 tie(2+3, 5+7), 1 second test, 500μA maximum leakage current.
Interwinding Capacitance	70.0	pF	Max.	1-8 tie(1+2+3+4, 5+6+7+8), 100kHz, 100mVAC, Cs.
Total Harmonic Distortion	-57.0	dB	Max.	10kHz, 2.0Vrms [5.66 Vp-p], Line : IC
Total Harmonic Distortion	-85.0	dB	Max.	100kHz, 4.24Vrms [11.99 Vp-p], Line : IC
Insertion Loss	0.300	dB	Max.	150kHz.
Insertion Loss	0.300	dB	Max.	300kHz.
Insertion Loss	0.400	dB	Max.	1.0MHz.
Longitudinal Balance (ITU)	35.0	dB	Min.	30kHz - 1.1MHz

Designed to reflect 100 ohms on the Line with 145 ohms on the IC side.

Operating Temperature Range: -40°C to +85°C

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