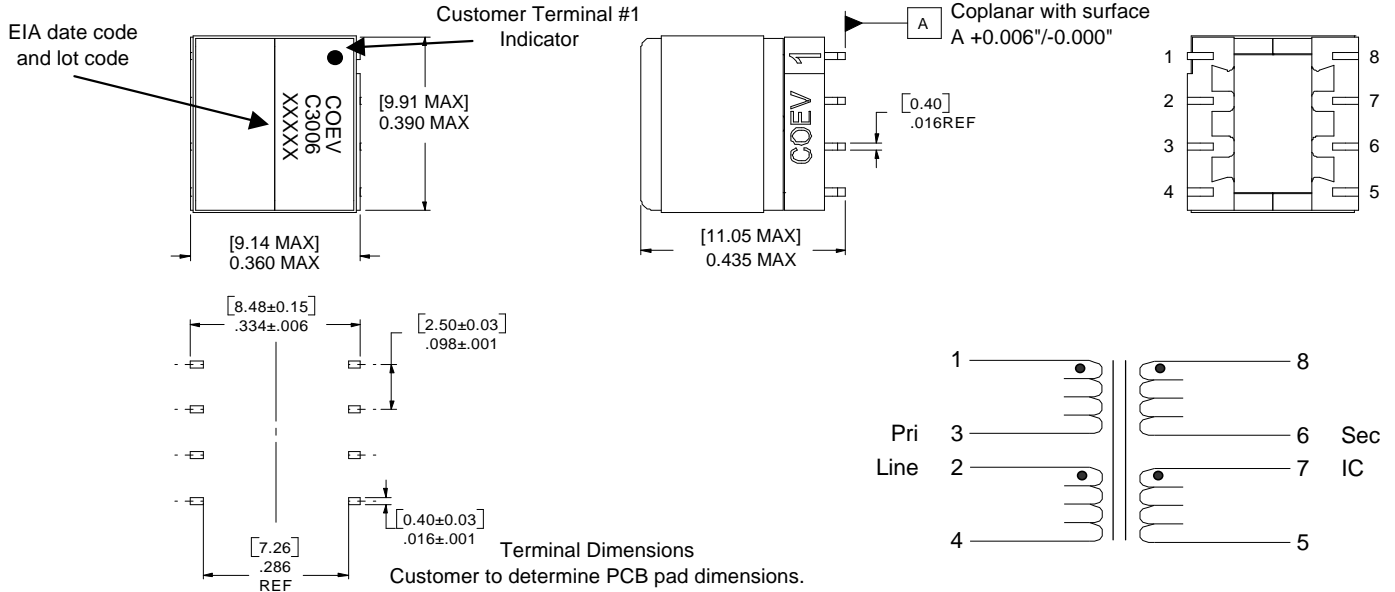


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Product Description
Texas Instruments AC5 Line Isolation Transformer 1.9:1
Meets requirements of IEC60950 for supplementary insulation, 250V working voltage


Information subject to change without notice. 03/02

Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

Test Description	Limit	Units	Tol	Notes
Inductance	400	μH	±5%	1-4 tie(3+2), 10kHz, 100mVAC, Ls.
Inductance	400	μH	±10%	1-4 tie(3+2), 10kHz, 100mVAC, Ls, -40°C to +85°C.
Leakage Inductance	5.00	μH	Max.	1-4 tie(2+3, 5+6+7+8), 100kHz, 100mVAC, Ls.
DC Resistance	0.415	Ω	Max.	8-6
DC Resistance	0.920	Ω	Max.	1-3
DC Resistance	0.920	Ω	Max.	2-4
DC Resistance	0.540	Ω	Max.	7-5
Turns Ratio	1.94 : 1	---	±1%	(1-4) : (8-5) tie(3+2, 6+7), 10KHz, 100mVAC.
Turns Ratio	1 : 1	---	±1%	(8-6) : (7-5), 10KHz, 100mVAC.
Dielectric	1,875	VAC	500μA	1-8 tie(3+2, 6+7), 1 second test, 500μA maximum leakage current.
Interwinding Capacitance	40.0	pF	Max.	1-8 tie(3+2, 6+7, 1+4, 8+5), 100kHz, 100mVAC, Cs.
Total Harmonic Distortion	-59.0	dB	Max.	5KHz, 1.0Vrms [2.83Vp-p], Line : IC.
Total Harmonic Distortion	-80.0	dB	Max.	100KHz, 5.3Vrms [15 Vp-p], Line : IC.
Longitudinal Balance (ITU)	60.0	dB	Min.	100kHz.

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

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