

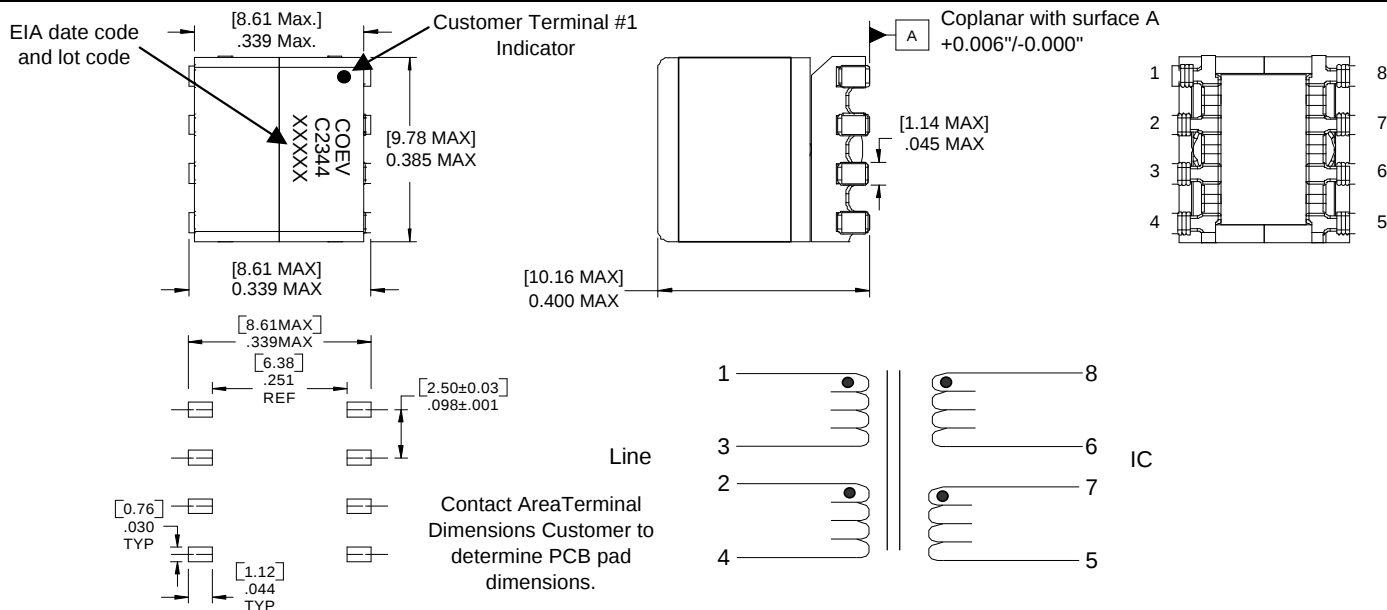
C2344



tyco Electronics

Product Description

Texas Instruments AC5 Line Isolation Transformer 1.9:1 UL1950/EN60950, 250v



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(2+3), 10kHz, 100mVAC, 0ADC, Ls.
Inductance	400	μH	±10%	1-4 tie(2+3), 10kHz, 100mVAC, -40° to + 85°C
Leakage Inductance	10	μH	Max.	1-4 tie(2+3, 6+7, 8+5), 100kHz, 100mVAC, Ls.
DC Resistance	0.55	Ω	Max.	8-6
DC Resistance	1.05	Ω	Max.	1-3
DC Resistance	1.05	Ω	Max.	2-4
DC Resistance	0.55	Ω	Max.	7-5
Turns Ratio	1.9 : 1	---	±2.5%	(1-3) : (8-6), 10KHz, 100mVAC.
Turns Ratio	1 : 1	---	±2.5%	(1-3) : (2-4), 10KHz, 100mVAC.
Turns Ratio	1.9 : 1	---	±2.5%	(1-4) : (8-5), 10KHz, 100mVAC.
Dielectric	1,875	VAC	500μA	1-8 tie(2+3, 6+7), 1 second test, 500μA maximum leakage current.
Total Harmonic Distortion (F)	-80	dB	Max.	100KHz, 5.3Vrms [14.99 Vp-p], Line : IC
Total Harmonic Distortion	-59	dB	Max.	5kHz, 1.0Vrms [2.83 Vp-p], Line : IC
Long. Bal.	60	dB	Max.	100KHz, 0dbm
Interwinding Cap.	20	pF	Max.	1-8 (tie 1+2+3+4, 5+6+7+8), 100KHz, 100mV

Patent Pending

Operating Temp Range -40° to + 85°C

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