

C2024

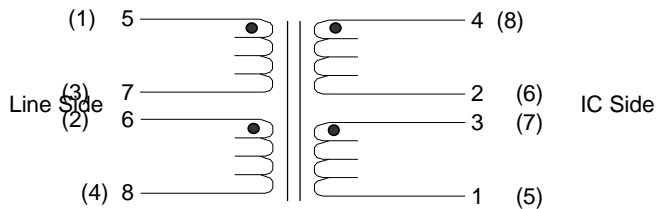
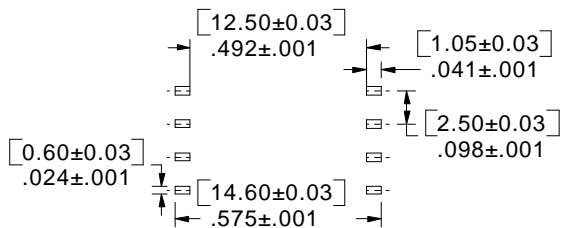
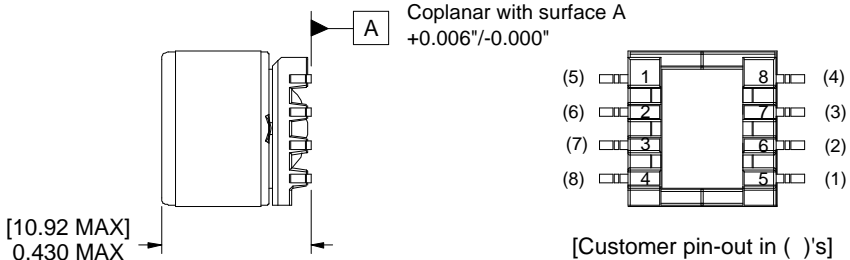
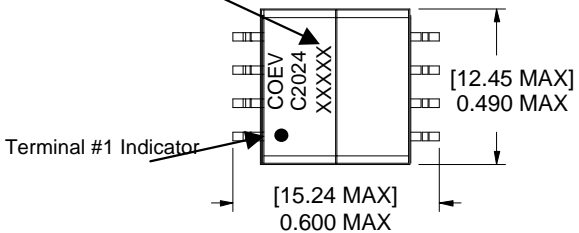


tyco Electronics

Product Description

AC5 Line Coupling Transformer Texas Instruments AC5 ADSL

EIA date code and lot code



Terminal Dimensions
Customer to determine PCB pad dimensions.

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%	5-8 tie(7+6), 10kHz, 100mVAC, 0DC, Ls.
Leakage Inductance	6.00	μH	Max.	5-8 tie(3+2, 6+7, 1+4), 100kHz, 100mVAC, Ls.
DC Resistance	0.15	Ω	Max.	4-2
DC Resistance	0.45	Ω	Max.	5-7
DC Resistance	0.45	Ω	Max.	6-8
DC Resistance	0.23	Ω	Max.	3-1
Turns Ratio	1.9 : 1	—	±2%	(8-5) : (1-4) tie(2+3, 6+7), 10KHz, 100mVAC.
Dielectric	1,875	VAC	500μA	1-8 tie(2+3, 6+7), 1 second test, 500μA maximum leakage current.
Interwinding Capacitance	20	pF	Max.	1-8 tie(2+3, 6+7), 100kHz, 100mVAC, Cs.
Total Harmonic Distortion	-80	dB	Max.	100kHz, 12Vp-p , Line : IC
Longitudinal Balance (ITU)	60	dB	Min.	100kHz, Gnd pin 4.
Longitudinal Balance (ITU)	60	dB	Min.	100kHz, Gnd pin 1.

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

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