

C2235



tyco Electronics

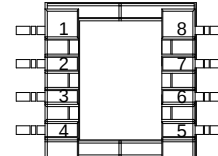
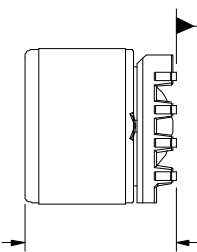
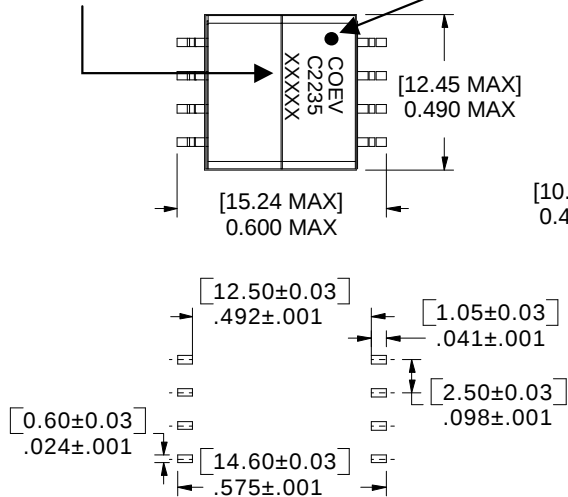
Product Description

ADSL Line Coupling Transformer
Meets the requirements Of IEC60950 & UL1950 For Suppl. Insulation, 250V Working Voltage

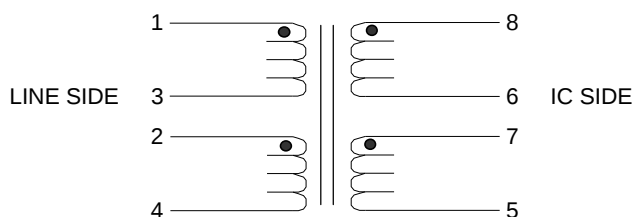
EIA date code and lot code

Customer Terminal #1 Indicator

Coplanar with surface A
+0.006"/-0.000"



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	850	μH	5%	1-4 tie(2+3), 10kHz, 100mVAC, Ls.
Leakage Inductance	10	μH	Max.	1-4 tie(2+3, 7+6, 8-5), 100kHz, 100mVAC, Ls.
DC Resistance	1.63	Ω	Max.	8-6
DC Resistance	1.32	Ω	Max.	1-3
DC Resistance	1.32	Ω	Max.	2-4
DC Resistance	2.09	Ω	Max.	7-5
Turns Ratio	1 : 1	---	1%	(1-4) : (8-5) tie(2+3, 7+6), 10KHz, 100mVAC.
Dielectric	1,875	VAC	500μA	1-8 tie(2+3, 7+6), 1 second test, 500μA maximum leakage current.
Interwinding Capacitance	40	pF	Max.	1-8 tie(2+3, 1+4, 7+6, 8+5), 100kHz, 100mVAC, Cs.
Total Harmonic Distortion	-88	dB	Max.	40kHz, 2.5Vrms [7.07 Vp-p], Line : IC
Total Harmonic Distortion	-52	dB	Max.	5kHz, 2.0Vrms [5.66 Vp-p], Line : IC
Insertion Loss	0.70	dB	Max.	Line : IC, 100kHz
Frequency Response	±0.8	dB	Max.	Line : IC, 30kHz - 1.1MHz, 100kHz reference
Longitudinal Balance (ITU)	42	dB	Min.	Line : IC, 1.1MHz

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

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

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