

C2440

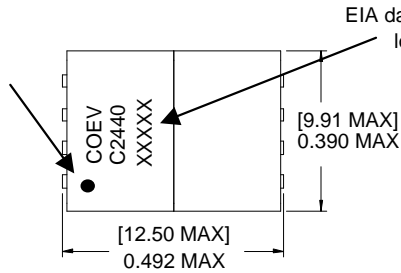


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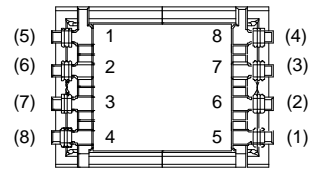
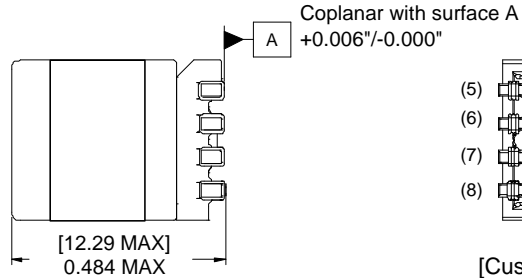
Product Description

Globespan ADSL Line Isolation Transformer
Meets requirements of IEC60950 for supplementary insulation, 250V working voltage

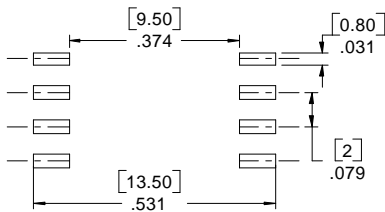
Customer Terminal #1 Indicator (Note: Dot marks CoEv terminal #5)



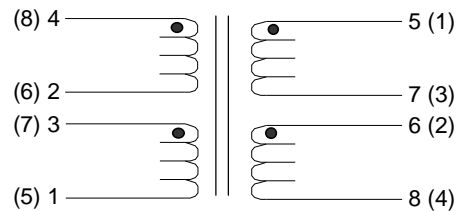
EIA date code and lot code



[Customer pin-out in ()'s]



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 (Test Terminals represent CoEv Pin numbering)
Inductance	100	μH	±5%	8-5 tie(6+7), 100kHz, 100mVAC, Ls.
Leakage Inductance	6.00	μH	Max.	8-5 tie(6+7,1+2+3+4), 100kHz, 100mVAC, Ls.
DC Resistance	0.300	Ω	Max.	1-3
DC Resistance	0.300	Ω	Max.	2-4
DC Resistance	0.500	Ω	Max.	7-5
DC Resistance	0.500	Ω	Max.	8-6
Turns Ratio	1.41 : 1.00	---	±1%	(8-5) : (1-4) tie(2+3,6+7), 10KHz, 100mVAC.
Dielectric	2,050	VAC	500μA	1-8 tie(2+3,6+7), 1 second test, 500μA maximum leakage current.
Dielectric	500	VDC	500μA	All-Core, 1 second test, 500μA maximum leakage current.
Interwinding Capacitance	30.0	pF	Max.	1-8 tie(1+2+3+4,5+6+7+8), 100kHz, 100mVAC, Cs.
Total Harmonic Distortion	-79.0	dB	Max.	20KHz, 1.0Vrms [2.83 Vp-p], Line : IC
Total Harmonic Distortion	-76.5	dB	Max.	10KHz, 0.5Vrms [1.41 Vp-p], Line : IC
Insertion Loss	0.50	dB	Max.	500kHz.
Longitudinal Balance (ITU)	50.00	dB	Min.	30KHz - 1.1MHz, GND pin 1.

Agency Approvals

BABT	Certificate No. NC/011326	Japan (via CB Cert.)	Certif. No. 12472
UL1950	File E189690	Austel (via CB Cert.)	Certif. No. 12472
CSA 950 (via UL/CUL)	File E189690	Sweden (via CB Cert.)	Certif. No. 12472
IEC 60950 (via CB Cert.)	Certificate No. 12472	Norway (via CB Cert.)	Certif. No. 12472

BABT

Patents Pending

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

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