

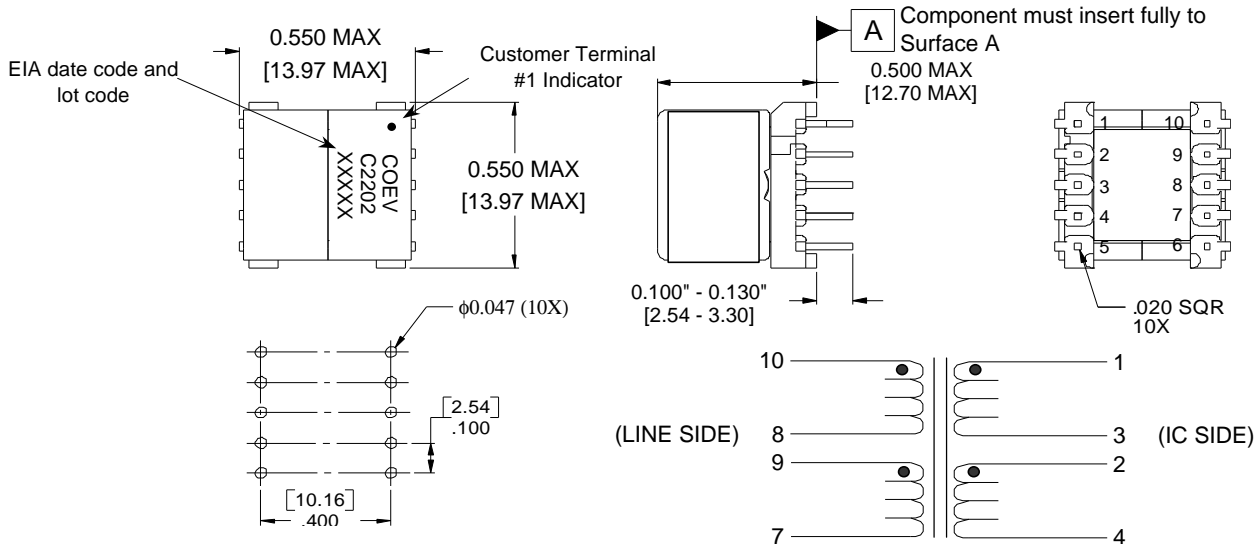
C2202



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Product Description

Centillium ADSL CPE Line Coupling Transformer
Meets the requirements of IEC60950 for supplementary insulation, 250V working voltage



Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

Test Description	Limit	Units	Tol	Notes
Inductance	5.00	mH	± 10%	10-7 tie (8+9), 10kHz, 100mVAC, ODC, Ls.
Leakage Inductance	15.0	µH	Max.	10-7 tie(8+9, 2+3, 1+4), 100kHz, 100mVAC, Ls.
DC Resistance	1.00	Ω	Max.	1-3
DC Resistance	1.30	Ω	Max.	2-4
DC Resistance	1.10	Ω	Max.	9-7
DC Resistance	1.10	Ω	Max.	10-8
Turns Ratio	1 : 1	---	± 1%	(1-4) : (10-7) tie(2+3, 8+9), 10KHz, 100mVAC.
Dielectric	1875	VAC	500µA	1-10 tie(2+3, 8+9), 1 second test, 500µA maximum leakage current.
Interwinding Capacitance	50.0	pF	Max.	10-1 tie(8+9, 2+3), 100kHz, 100mVAC, Cs.
Total Harmonic Distortion	-85.0	dB	Max.	30kHz, 2.5Vrms [7.07 Vp-p], Line : IC
Total Harmonic Distortion	-79.0	dB	Max.	10kHz, 2.0Vrms [5.66 Vp-p], Line : IC
Insertion Loss	0.500	dB	Max.	100kHz.
Frequency Response	±1.00	dB	Max.	100kHz Reference.
Longitudinal Balance (ITU)	40.0	dB	Min.	30kHz - 1.1MHz.

Agency Approvals

Agency	Certificate No.	Location	Certif. No.
BABT	NC/011232	Japan (via CB Cert.)	11704
UL1950	File E189690	Austel (via CB Cert.)	11704
CSA 950 (via UL/CUL)	File E189690	Sweden (via CB Cert.)	11704
IEC 60950 (via CB Cert.)	Certificate No. 11704	Norway (via CB Cert.)	11704

BABT

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5/23/01