

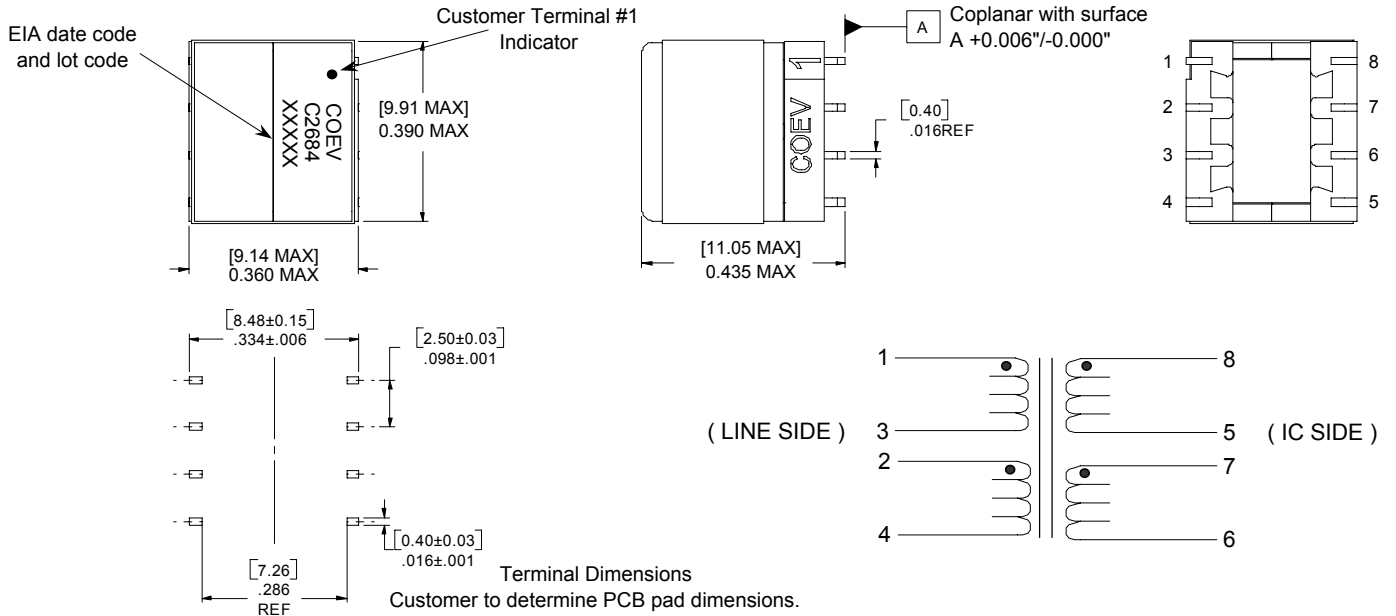
C2684

REV
E



Product Description

1.15:1, 474µH CEP7 Line Transformer
Meets requirements of IEC60950 for supplementary insulation, 250V working voltage



Information subject to change without notice. 10/02

Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

Test Description	Limit	Units	Tol	Notes
Inductance	474	µH	±10%	1-4 tie(2+3), 10kHz, 100mVAC, Ls.
Leakage Inductance	10.0	µH	Max.	1-4 tie(2+3, 5+6+7+8), 100kHz, 100mVAC, Ls.
DC Resistance	0.875	Ω	Max.	1-3
DC Resistance	0.875	Ω	Max.	2-4
DC Resistance	0.875	Ω	Max.	8-5
DC Resistance	0.875	Ω	Max.	7-6
Turns Ratio	1.15 : 1	---	±1%	(1-4) : (8-6) tie(2+3, 5+7), 10KHz, 100mVAC.
Dielectric	1,875	VAC	500µA	1-8 tie(2+3, 5+7), 1 second test, 500µA maximum leakage current.
Interwinding Capacitance	35.0	pF	Max.	1-8 tie(1+2+3+4, 5+6+7+8), 100kHz, 100mVAC, Cs.
Insertion Loss	0.350	dB	Max.	150kHz - 300kHz
Insertion Loss	0.750	dB	Max.	1.0MHz
Longitudinal Balance, ITU	45.0	dB	Max.	30kHz - 1.1MHz, GND pin 8.
Total Harmonic Distortion	-55.0	dB	Max.	10kHz, 2.0Vrms [5.66 Vp-p], Line : IC
Total Harmonic Distortion	-80.0	dB	Max.	100kHz, 4.25Vrms [12.0 Vp-p], Line : IC

Agency Approvals

BABT	Certificate No. NC/011396	Japan (via CB Cert.)	Certif. No. 14040
UL1950	File E189690	Austel (via CB Cert.)	Certif. No. 14040
CSA 950 (via UL/CUL)	File E189690	Sweden (via CB Cert.)	Certif. No. 14040
IEC 60950 (via CB Cert.)	Certificate No. 14040	Norway (via CB Cert.)	Certif. No. 14040

Patent Pending

BABT

Designed to reflect 100 ohms on the Line with 76 ohms on the IC side.

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

The information contained in this drawing is the sole property of CoEv, Inc. Any reproduction or use without the written permission of CoEv, Inc. is prohibited.

TEL 888-978-2638 - FAX 605-886-8995 - Specifications subject to change without notice. For latest revision visit www.tycopowercomponents.com