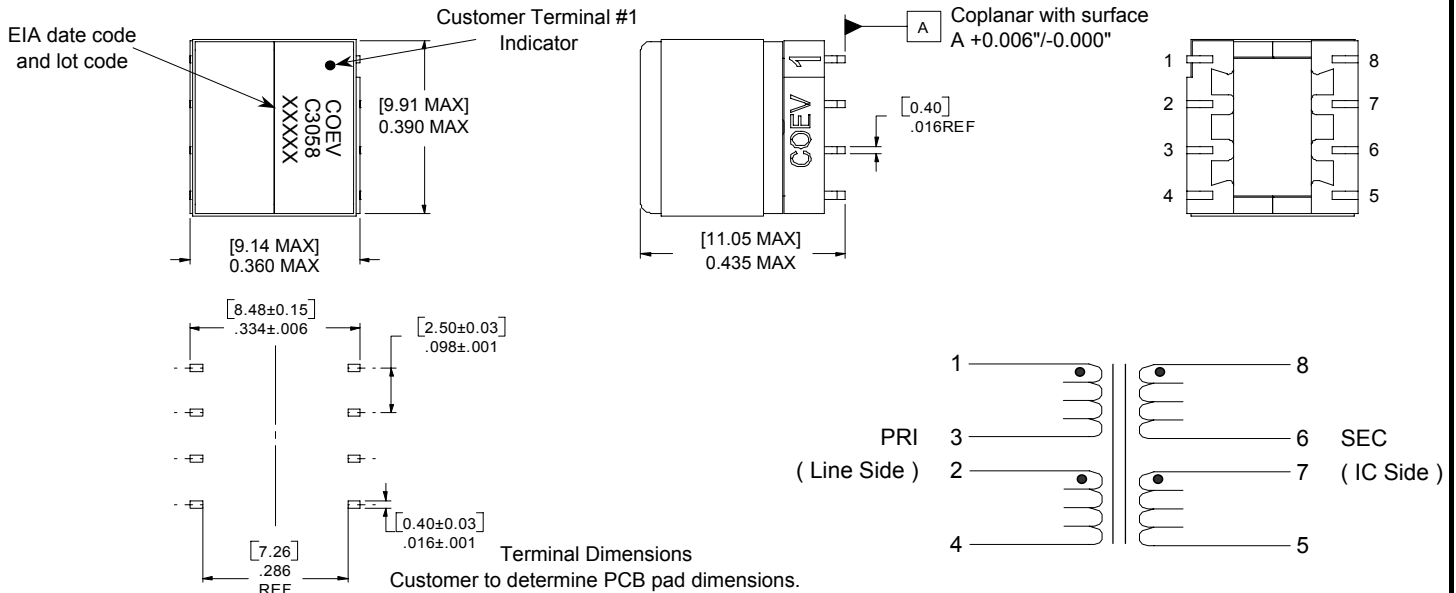


**C3058****REV  
D****COEV  
MAGNETICS****tyco** Electronics**Product  
Description****1.4mH, 1.333:1 TR Line Transformer**  
**Meets requirements of IEC60950 for basic insulation, 250V working voltage**

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	1.40	mH	±5%	1-4 tie( 2+3 ), 10kHz, 100mVAC, Ls.
Leakage Inductance	5.00	µH	Max.	1-4 tie( 2+3, 5+6+7+8 ), 100kHz, 100mVAC, Ls.
DC Resistance	1.22	Ω	±10%	1-3
DC Resistance	1.22	Ω	±10%	2-4
DC Resistance	0.450	Ω	±10%	8-6
DC Resistance	0.545	Ω	±10%	7-5
Turns Ratio	1.333 : 1	---	±1%	( 1-4 ) : ( 8-5 ) 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.
Total Harmonic Distortion	-65.0	dB	Max.	10kHz, 2.5Vrms [ 7.07 Vp-p ], Line : IC
Total Harmonic Distortion	-80.0	dB	Max.	30kHz, 2.5Vrms [ 7.07 Vp-p ], Line : IC
Insertion Loss	0.500	dB	Max.	100kHz.
Longitudinal Balance (ITU)	40.0	dB	Min.	30kHz - 1.1MHz, Gnd pin 8.

**Agency Approvals**

	Certificate No.		
BABT		Japan (via CB Cert.)	Certif. No. 15700
UL1950	File E189690	Austel (via CB Cert.)	Certif. No. 15700
CSA 950 (via UL/CUL)	File E189690	Sweden (via CB Cert.)	Certif. No. 15700
IEC 60950 (via CB Cert.)	Certificate No. 15700	Norway (via CB Cert.)	Certif. No. 15700

Patents Pending

**UL/CUL**

Designed to reflect 100 ohms on the Line with 56 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](http://www.tycopowercomponents.com)