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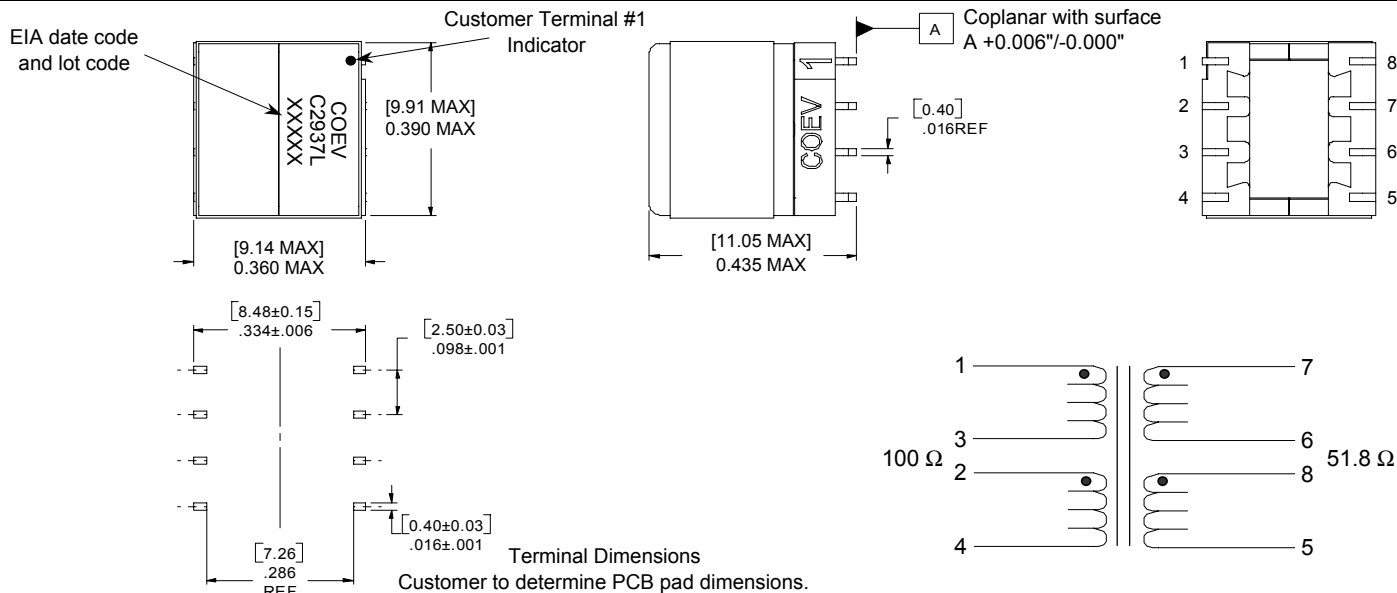
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**COEV**  
MAGNETICS

tyco/ *Electronics*

**Product Description**

**1.39:1 TR, 100µH CEP7 Line Interface 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	100	µH	±5%	1-4 tie( 2+3 ), 10kHz, 100mVAC, Ls.
Inductance	100	µH	±6%	1-4 tie( 2+3 ), 10kHz, 100mVAC, 120mADC, Ls.
Leakage Inductance	8.50	µH	Max.	1-4 tie( 2+3, 5+6+7+8 ), 100kHz, 100mVAC, Ls.
DC Resistance	0.440	Ω	Max.	1-3
DC Resistance	0.440	Ω	Max.	2-4
DC Resistance	0.495	Ω	Max.	7-6
DC Resistance	0.495	Ω	Max.	8-5
Turns Ratio	1.39 : 1	---	±2%	( 1-4 ) : ( 7-5 ) tie( 2+3, 6+8 ), 10KHz, 100mVAC.
Dielectric	1,875	VAC	500µA	1-7 tie( 2+3, 6+8 ), 1 second test, 500µA maximum leakage current.
Dielectric	500	VAC	500µA	1-2, 1 second test, 500µA maximum leakage current.
Total Harmonic Distortion	-78.0	dB	Max.	30KHz, 3.15Vrms, Line : IC
Longitudinal Balance	46.0	dB	Min.	@ 1.1MHz

**Agency Approvals**

BABT	Certificate No. NC/011396	Japan (via CB Cert.)	Certif. No. 16027
UL1950	File E189690	Austel (via CB Cert.)	Certif. No. 16027
CSA 950 (via UL/CUL)	File E189690	Sweden (via CB Cert.)	Certif. No. 16027
IEC 60950 (via CB Cert.)	Certificate No. 16027	Norway (via CB Cert.)	Certif. No. 16027

Patent Pending

**BABT**

Designed to reflect 100 ohms on the Line with 51.8 ohms on the IC side.

Meets requirements of UL94V-0

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

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