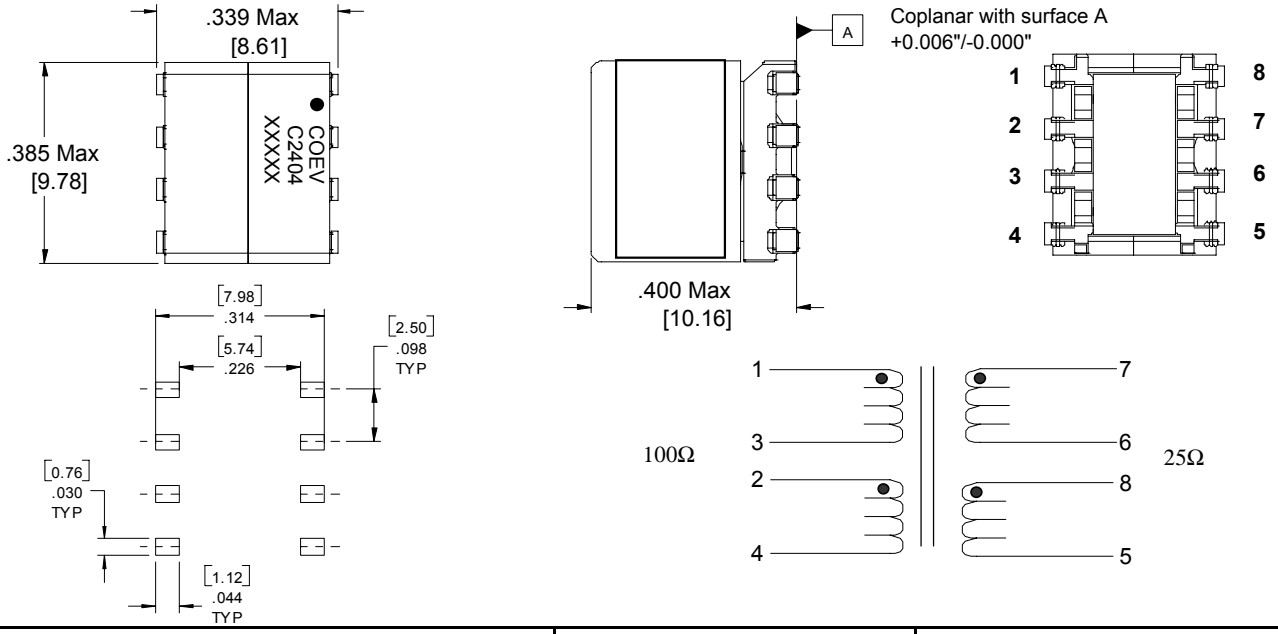
C2404	REV D

COEV MAGNETICS

tyco Electronics

Product Description	CEP7 Line Isolation Transformer EN60950 / 250V



Information subject to change without notice. 09/02

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, 0ADC, Ls.
Inductance	100	µH	±5%	1-4 tie(2+3), 10kHz, 100mVAC, 120ADC, Ls.
Leakage Inductance	8.50	µH	Max.	1-4 tie(2+3, 6+7, 8+5), 100kHz, 100mVAC, Ls.
DC Resistance	0.430	Ω	Max.	1-3
DC Resistance	0.430	Ω	Max.	2-4
DC Resistance	0.340	Ω	Max.	7-6
DC Resistance	0.340	Ω	Max.	8-5
Turns Ratio	2 : 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 max
Total Harmonic Distortion	-78.0	dB	Max.	30kHz, 1.5Vrms, Line : IC
Longitudinal Balance (ITU)	50.0	dB	Typ.	1.1MHz

Patent Pending

Meets requirements of UL94V-0

Temperature Range: -40°C to +85°C.

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