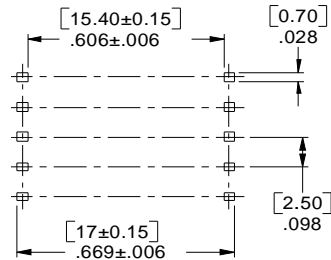
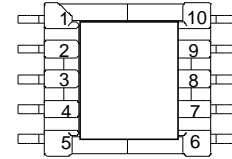
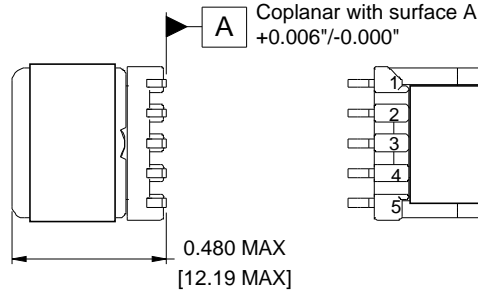
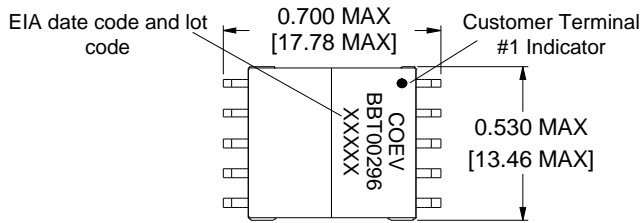


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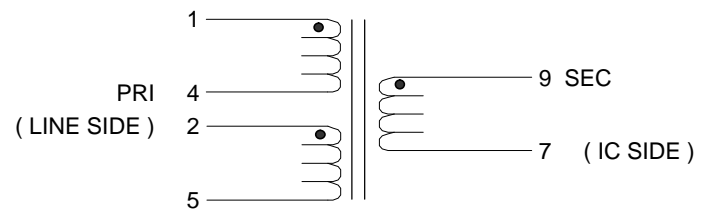
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Product Description
EP13 SMD 3mH Transformer


Terminal Dimensions
Customer to determine PCB pad dimensions.



Information subject to change without notice.

Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

Test Description	Limit	Units	Tol	Notes
Inductance	3.00	mH	±10%	1-5 tie(2+4), 10kHz, 100mVAC, Ls.
Leakage Inductance	29.0	µH	Max.	1-5 tie(2+4, 9+7), 100kHz, 100mVAC, Ls.
DC Resistance	0.660	Ω	Max.	9-7
DC Resistance	3.30	Ω	Max.	1-5 tie(2+4)
Turns Ratio	4.5 : 1	---	±1%	(1-5) : (9-7) tie(2+4), 10KHz, 100mVAC
Dielectric	1,875	VAC	500µA	1-9 tie(2+4), 1 second test, 500µA maximum leakage current.
Interwinding Capacitance	75.0	pF	Max.	1-9 tie(1+2+4+5, 7+9), 100kHz, 100mVAC,Cs.
Total Harmonic Distortion	-84.0	dB	Max.	10kHz, 4.0Vrms [11.31 Vp-p], Line : IC
Total Harmonic Distortion	-76.0	dB	Max.	3k (2nd Harmonic)Hz, 1.0Vrms [2.83 Vp-p], Line : IC
Total Harmonic Distortion	-84.0	dB	Max.	3k (3rd Harmonic)Hz, 1.0Vrms [2.83 Vp-p], Line : IC
Longitudinal Balance (ITU)	55.0	dB	Min.	5kHz - 400kHz.

Preliminary!

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

Terminal Plating is Hot-dipped SnAgCu over Ni

260°C Maximum reflow temperature per J-STD-020

CoEv reserves the right to vary the color of wire and tape unless otherwise specified

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Sheet 1 of 1 Date:03/05/07