

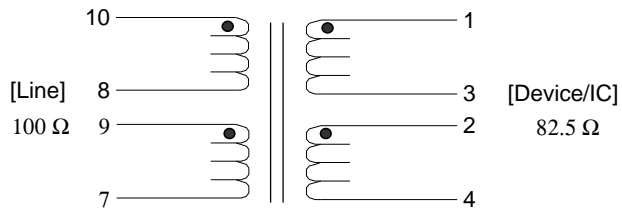
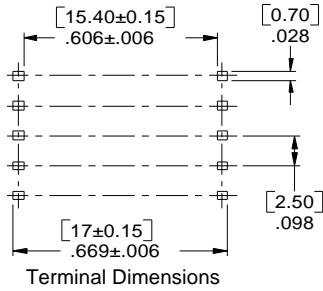
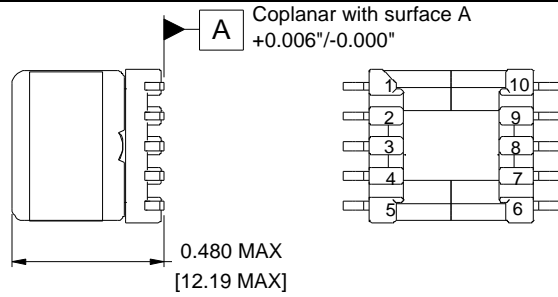
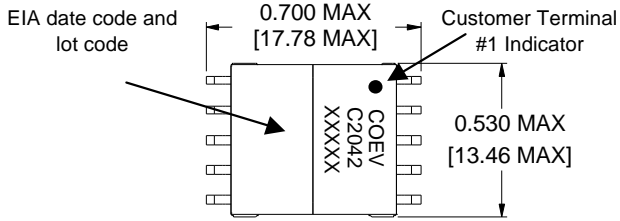
# C2042



tyco Electronics

### Product Description

**Analog Devices AD20MSP930 CPE Line Transformer**  
**Meet requirements of IEC60950 for supplementary insulation, 250V working voltage**



Primary units are in inches. Millimeters are in brackets.

### Electrical Specifications at +20°C unless noted otherwise

Test Description	Limit	Units	Tol	Notes
Inductance	1.2	mH	± 10%	1-4 tie( 2+3 ), 20kHz, 2VAC, 0DC, Ls.
Leakage Inductance	10	μH	Max.	1-4 tie( 2+3,8+9,7+10 ), 100kHz, 100mVAC, Ls.
DC Resistance	0.665	Ω	Max.	1-3
DC Resistance	0.575	Ω	Max.	10-8
DC Resistance	0.575	Ω	Max.	9-7
DC Resistance	0.665	Ω	Max.	2-4
Turns Ratio	1.1 : 1	---	± 2%	( 10-7 ) : ( 1-4 ), 10KHz, 100mVAC.
Dielectric	1,875	VAC	500μA	10-1 tie( 8+9,2+3 ), 1 second test, 500μA maximum leakage current.
Interwinding Capacitance	35	pF	Max.	10-1 tie( 8+9, 3+2 ), 10kHz, 1VAC, Cs.
Total Harmonic Distortion	80	dB	Max.	20KHz, 3Vrms [ 8.49 Vp-p ], Line : IC
Insertion Loss	0.5	dB	Max.	300KHz.
Frequency Response	0.5	dB	Max.	300kHz Reference.(100KHz-1.1MHz)
Longitudinal Balance (ITU)	46	dB	Min.	1.1MHz

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