

C2042

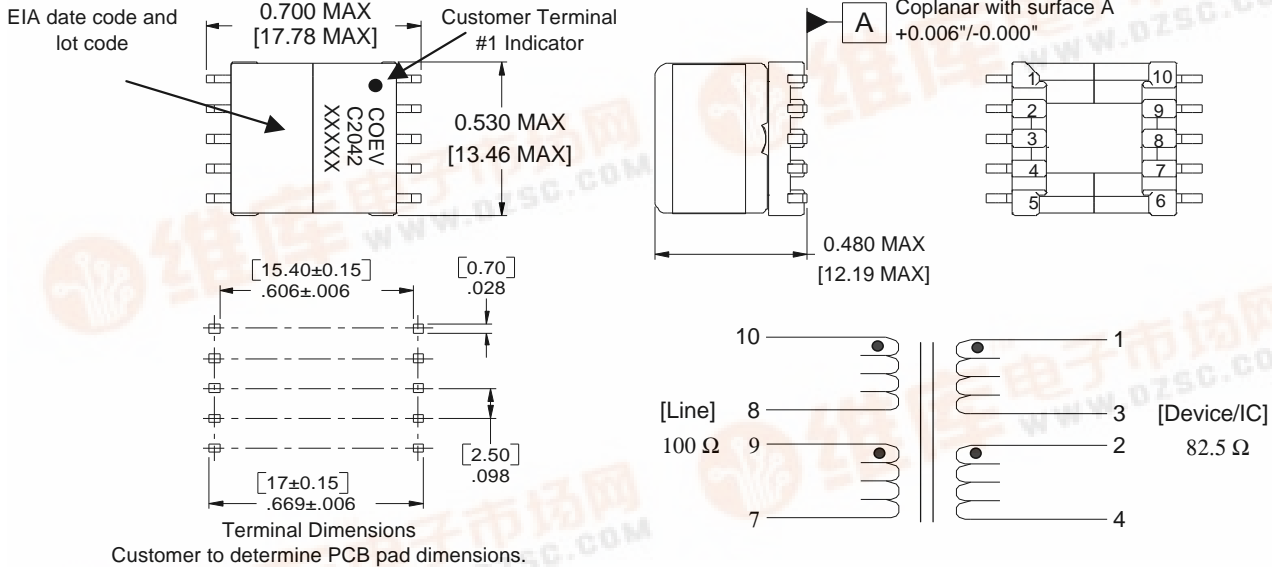


tyco Electronics

Product Description

Analog Devices AD20MSP930 CPE Line Transformer

Meet requirements of IEC60950 for supplementary insulation, 250V working voltage



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