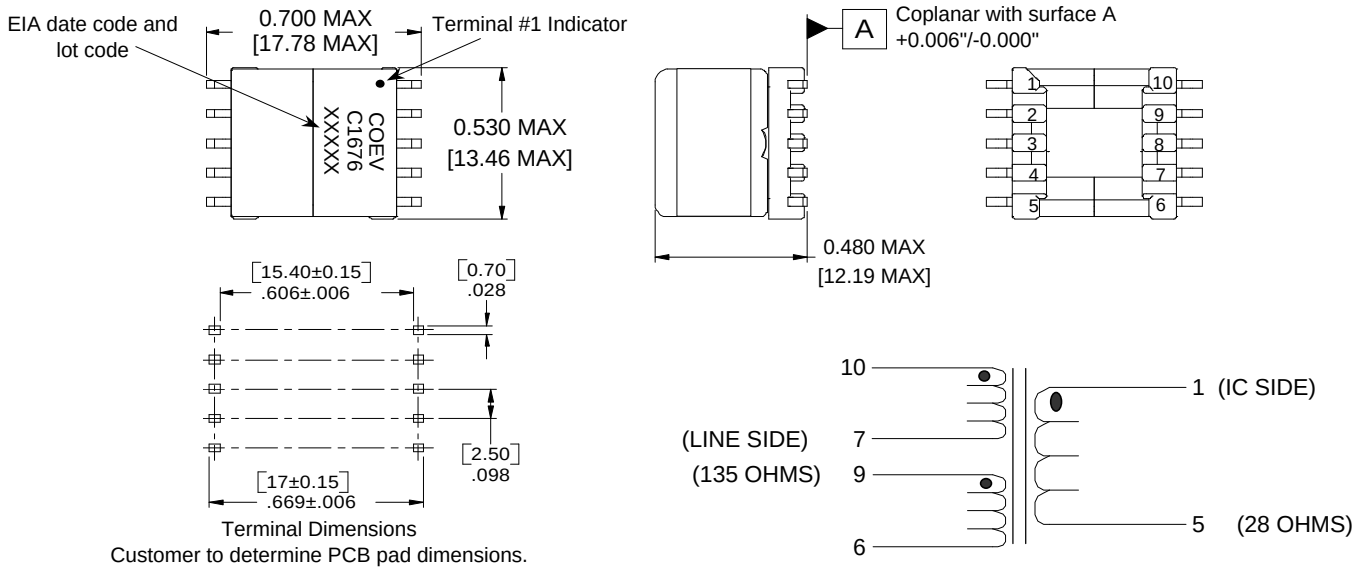
C1676

Product Description

Approved for use with GlobeSpan HDSL2 Chip Set

Meets the requirements of IEC60950 for supplementary insulation, 250V working voltage



Terminal Dimensions
Customer to determine PCB pad dimensions.

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	± 5%	10-6 tie(9+7), 10kHz, 100mVAC, Ls.
Leakage Inductance	11	µH	Max.	10-6 tie(9+7, 1-5), 100kHz, 100mVAC, Ls.
DC Resistance	1.25	Ω	Max.	10-7
DC Resistance	1.25	Ω	Max.	9-6
DC Resistance	1.00	Ω	Max.	1-5
Turns Ratio	2.2 : 1	---	± 1%	(10-6) : (1-5), tie(7+9), 10KHz, 100mVAC.
Dielectric	2050	VAC	500µA	1-10 tie(7+9), 1 second test, 500µA maximum leakage current.
Total Harmonic Distortion	-85	dB	Max.	40KHz, 2.5Vrms [7.07 Vp-p], Line : IC
Return Loss	9	dB	Min.	10kHz - 1.1MHz.
Insertion Loss	0.35	dB	±0.10	40kHz.
Frequency Response	±1.00	dB	Max.	40kHz Reference.
Longitudinal Balance (ITU)	40	dB	Min.	10kHz - 1.1MHz.
Longitudinal Balance (FCC)	40	dB	Min.	10kHz - 300kHz.

Agency Approvals

BABT	Certificate No. 610357	Japan (via CB Cert.)	Certif. No. GB514W
UL1950	File E189690	Austel (via CB Cert,)	Certif. No. GB514W
CSA 950 (via UL/CUL)	File E189690	Sweden (via CB Cert.)	Certif. No. GB514W
IEC 96050 (via CB Cert.)	Certificate No. GB514W	Norway (via CB Cert.)	Certif. No. GB514W

BABT

Designed to reflect 135 ohms on the Line with 28 ohms on the IC side.

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

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