

GIGABIT ETHERNET MAGNETICS

Dual Transformer Modules

bel

LM01301

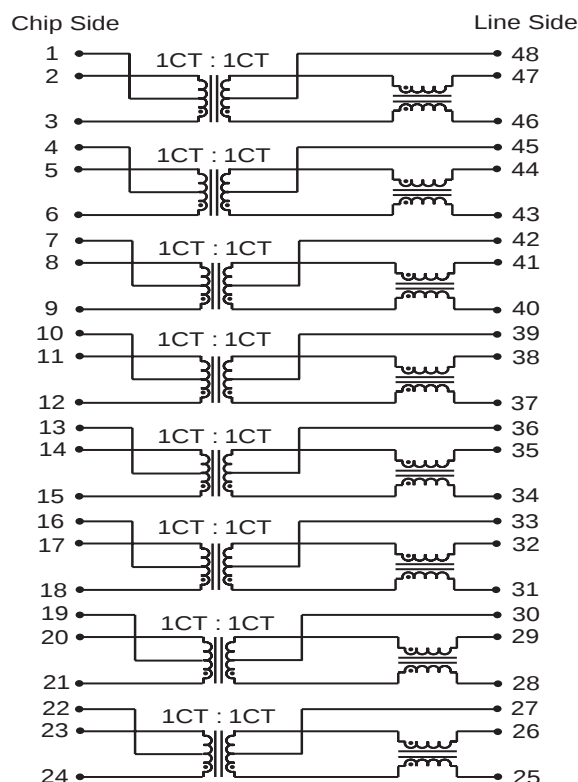
- Designed for use with 10/100/1000Base-T transceiver ICs
- Maximized for full duplex applications
- IR reflow rating at 225° C peak
- Supports four pairs of category 5 UTP cable
- Compliant with IEEE 802.3ab
- 350µH OCL with 8mA bias applied from 0° C to 70° C

ELECTRICAL SPECIFICATIONS AT 25° C

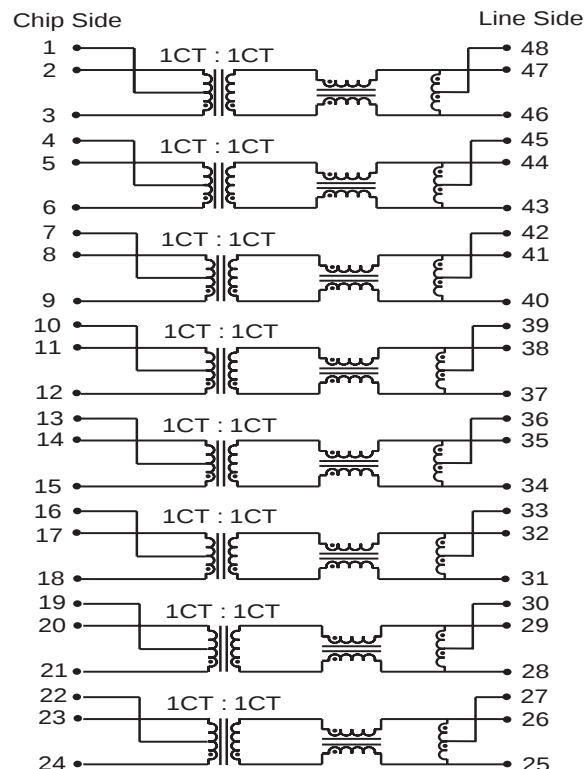
Part Number	Insertion Loss dB max	Return Loss dB min		Common to Common Mode Rejection dB min	Crosstalk dB min	Hipot Vrms min
	0.1MHz to 100MHz	0.5MHz to 40MHz	40MHz to 100MHz	100KHz to 100MHz		
S558-5999-Q2	-1.0	-18	12 - 20 log (f/80 MHz)	-30	33 - 20 log (f/50MHz)	1500
S558-5999-Q3	-1.0	-18	12 - 20 log (f/80 MHz)	-30	33 - 20 log (f/50MHz)	1500

SCHEMATICS

S558-5999-Q2



S558-5999-Q3



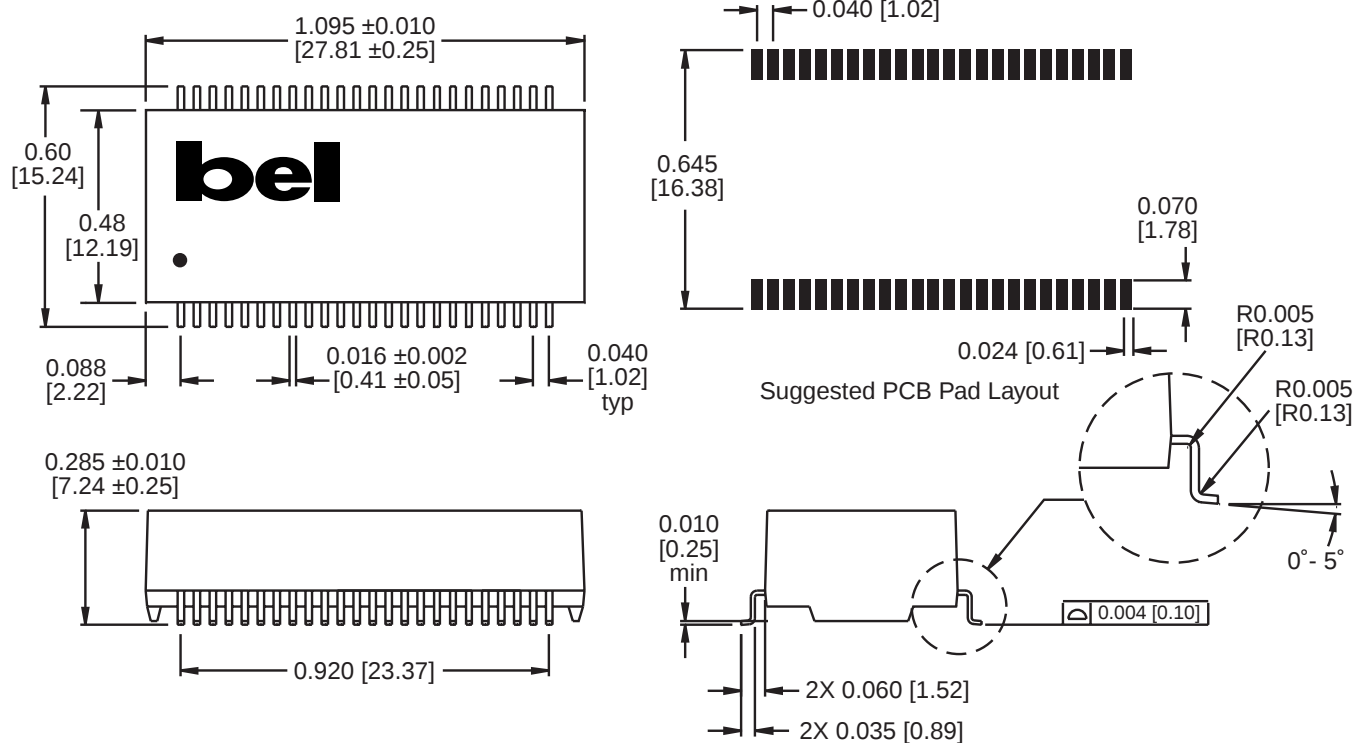
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MECHANICAL

S558-5999-Q2

S558-5999-Q3



Dimensions are in inches [millimeters].
Standard dimension tolerance is ± 0.005 [0.13] unless otherwise noted.

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