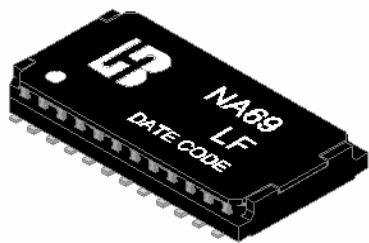


1000 BASE-T PC CARD LAN
MAGNETICS SOLUTIONS
P/N: NA69 LF DATA SHEET



Feature

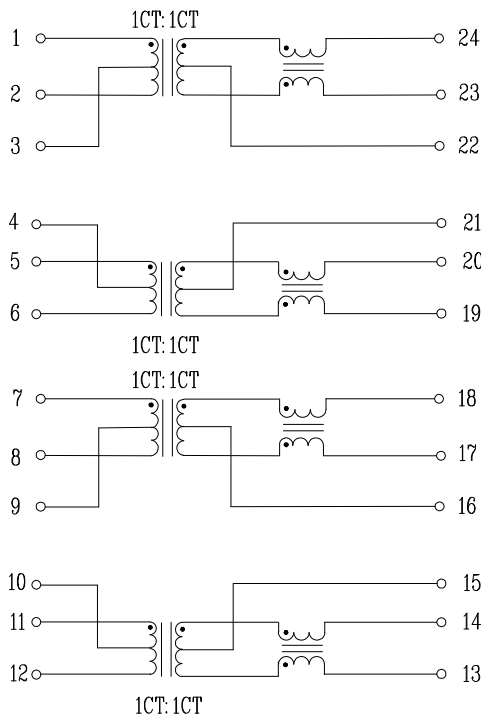


- Half port and single port designs for maximum layout flexibility.
- Complying with IEEE 802.3ab standard for 1000 BASE-T.
- Complying with ROHS & Halogen Free requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +85°C.

Electrical Specifications @ 25°C						
Part Number	Turns Ratio (±3%)		OCL (uH Min) @100KHz/0.1V	Cw/w (pF Max)	L.L (uH Max)	HI-POT (Vrms)
	TX	RX				
NA69 LF	1CT:1CT	1CT:1CT	350	25	0.4	1500

Continue								
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)	DCMR (dB Min)	
	1-100MHz	1-30MHz	40-50MHz	60-80MHz	100MHz	1-100MHz	1-60MHz	60-100MHz
NA69 LF	-1.0	-18	-16	-12	-10	-38	-35	-33

Schematic



BOTH HAND USA

The mechanical drawing of the NA69 LF package includes the following views and dimensions:

- Top View:**
 - Overall width: 16.60 [0.654]
 - Distance from left edge to center of pin 1: 13.97 [0.550]
 - Distance from right edge to center of pin 1: 9.00 [0.354]
 - Overall height: 9.60 [0.378] Max
 - Part number: NA69 LF
 - Marking: LB, DATE CODE, and a circular dot.
- Side View:**
 - Maximum height: 2.10 [0.083] Max
 - Lead thickness: 0.10 [0.004]
 - Distance from lead edge to center of pin 1: 0.45 [0.018]
 - Distance from lead edge to center of pin 16: 1.27 [0.050]
- Suggested Pad Layout:**
 - Pin pitch: 0.80 [0.031]
 - Distance from center of pin 1 to center of pin 16: 13.97 [0.550]
 - Distance from center of pin 1 to center of pin 16 (alternative dimension): 7.40 [0.291]
 - Distance from center of pin 1 to center of pin 16 (alternative dimension): 10.50 [0.413]
 - Pad width: 0.20 [0.008]
 - Pad length: 0.95 ± 0.15 [0.037 ± 0.006]

Units: mm[Inches] Tolerances XX.X0: ±0.25[0.010]
 0.XX: ±0.05[0.002]