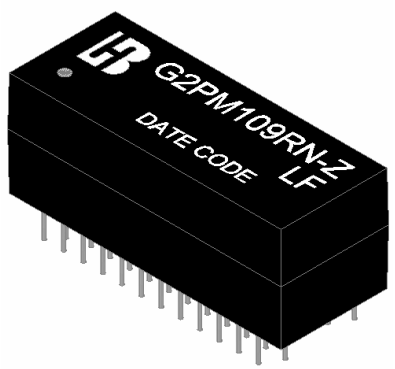
1000 BASE –T DUAL PORT MAGNETICS MODULES
P/N: G2PM109RN-Z LF DATA SHEET

BOTHHAND USA

Feature

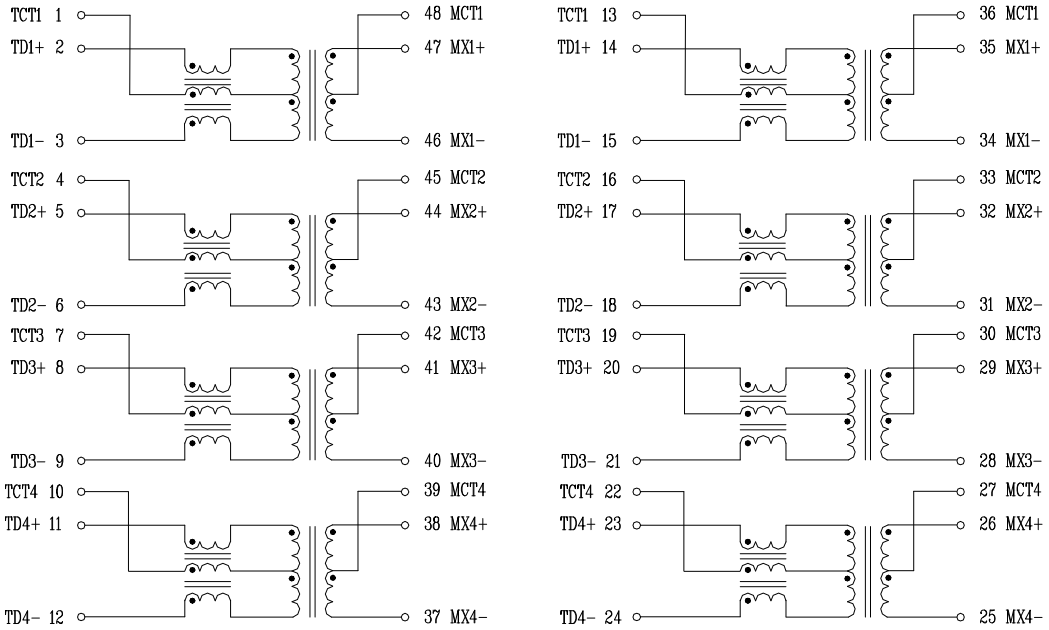


- Designed for Ethernet 100/1000 BASE-T, full duplex applications.
- Supports 8 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3ab standard for 1000 BASE-T.
- Compliance with ROHS requirements.
- Operating temperature range: 0℃ to +70℃.
- Storage temperature range: -25℃ to +85℃.

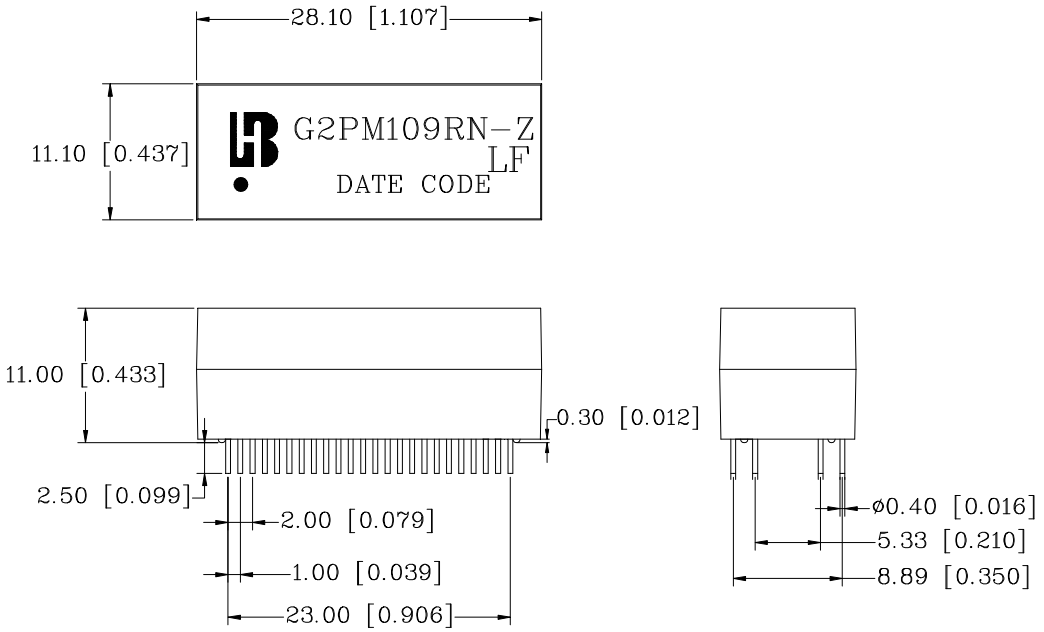
Electrical Specifications @ 25°C							
Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Cross talk Attenuation (dB Min)			HI-POT (Vrms)
	TX	RX		30MHz	60MHz	100MHz	
G2PM109RN-Z LF	1CT:1CT	1CT:1CT	350	-40	-35	-30	1500

Continue									
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@ Load 100Ω					DCMR (dB Min)		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
G2PM109RN-Z LF	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33

Schematic

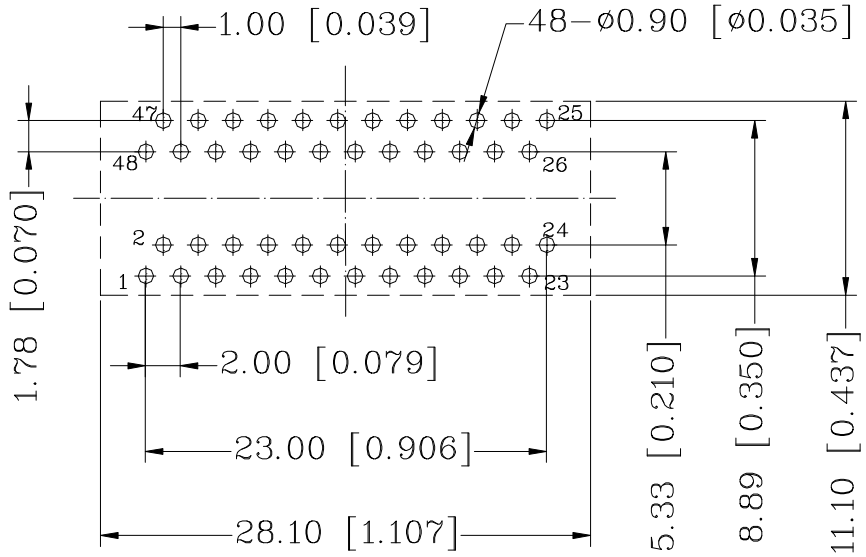


Mechanical



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

PCB Layout mounting Hole (Top View)



Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]