

1000 BASE -T DUAL PORT MAGNETICS MODULES

P/N: GS5012 LF DATA SHEET

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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.
- Comply with ROHS & Halogen Free requirements.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +85 .

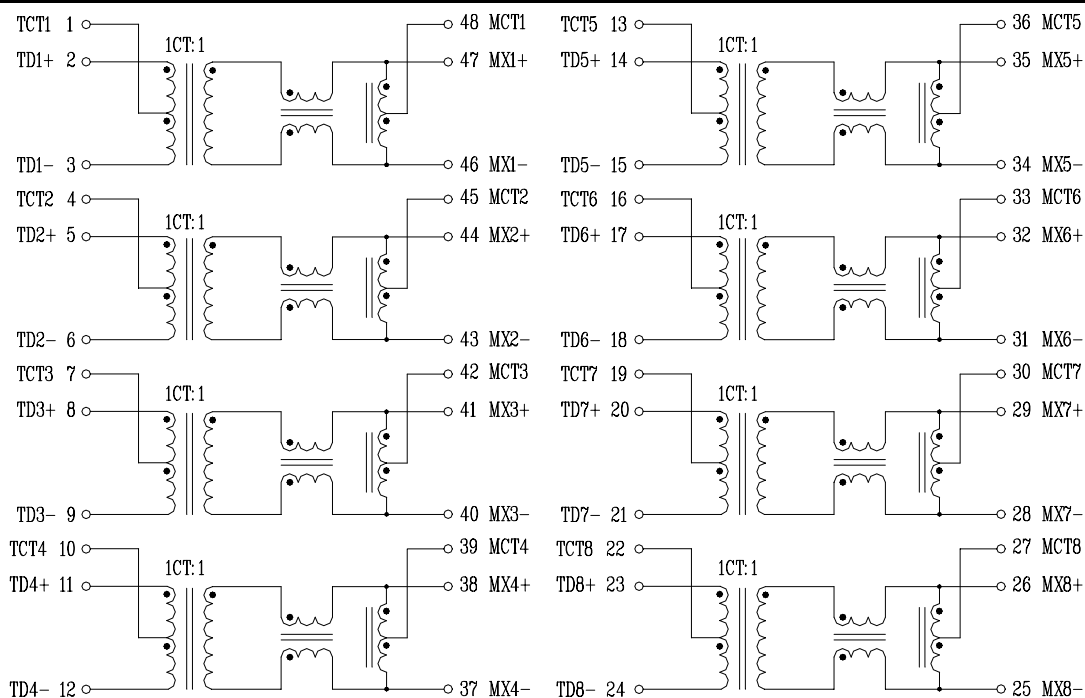
Electrical Specifications @ 25°C

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	
GS5012 LF	1CT: 1	1CT: 1	350	-45	-40	-35	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ Load 100 Ω					DCMR (dB Min)		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
GS5012 LF	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33

Schematic



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Mechanical

