

10GBASE-T SINGLE PORT MAGNETICS MODULE

P/N: G82408S



Features:



Notice : This is a RoHS compliant component, All engineering changes must have prior approval by the design center

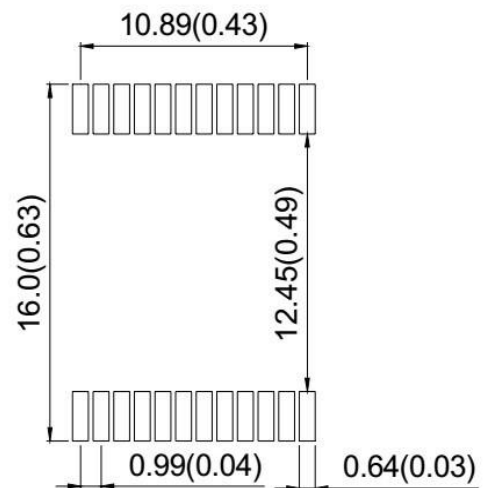
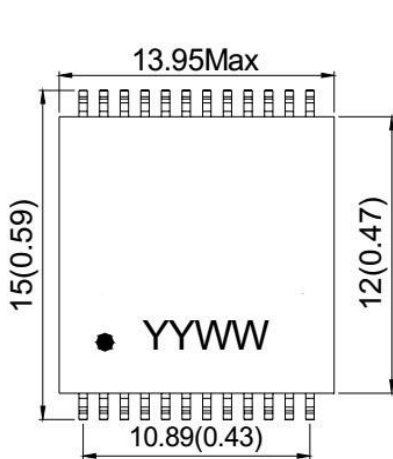
Designed to meet IEEE 802.3 requirements.

10G BASE-T Ethernet Magnetics

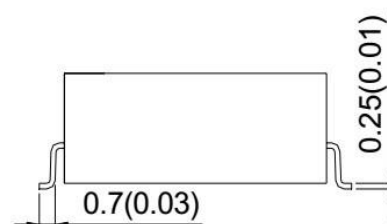
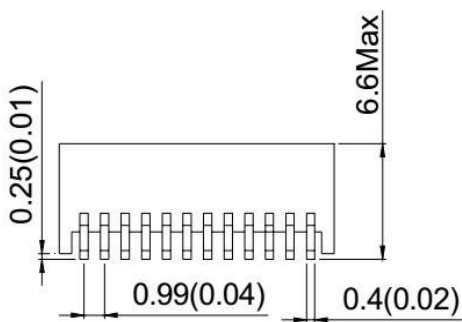
Operating temperature: 0° C ~ +70° C

Storage temperature range: -40 ~ +85° C, 90% RH

Dimension



SUGGESTED PAD LAYOUT



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10GBASE-TSINGLEPORTMAGNETICSMODULE

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Specifications

Electrical Specification@25° C Operating Temperature 0 to +70° C							
Part NO	Trun Ratio($\pm 3\%$)		OCL primary@100KHz 0.1Vms	Leakage primary@10 KHz 0.2Vms	Cww(100KHz/0.2V)	DCR(Ω)	Isolation Voltage(Vrms min)
	TX	RX					
G82408S	1CT:1CT	1CT:1CT	180uH Min	0.5uH max	35pF Typ	1.2 ohm Max	1500

Electrical Specification@25° C Operating Temperature 0 to +70° C							
Part NO	Insertion loss(dB max) 1-100MHz			Return Loss(dB min)MHz		Crosstalk(dB min)MHz	
	1MHz	2-100MHz	100-350MHz	1-40	40-500	1-100MHz	1-500MHz
G82408S	-0.4dB Max	-3dB Max	-2.0dB Max	-18	-17+10*LOG(f/40)dB Min	-40	-30

Schematic

