

2.5GBASE-T SINGLE PORT TRANSFORMER

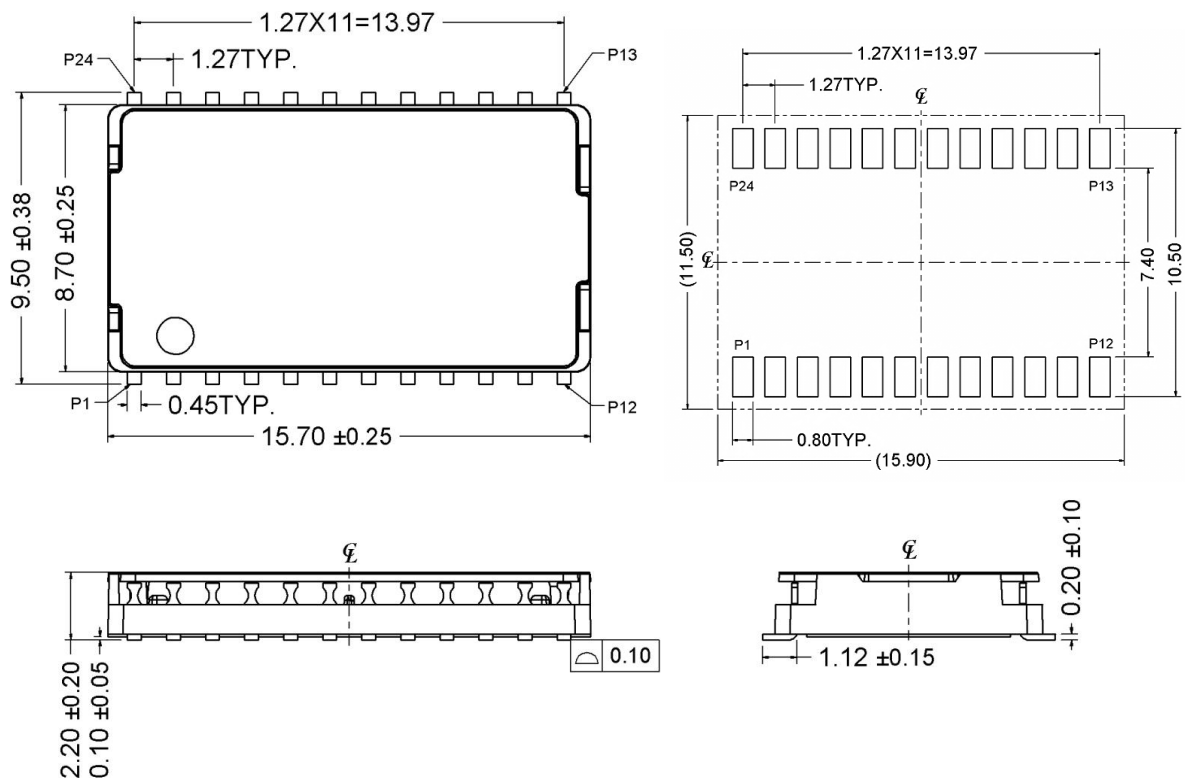
Part NO:2G52429S



Features:

- Notice : This is a RoHS compliant component, All engineering changes must have prior approval by the design center
- Meets IEEE 802.3af and ANSI X3.263 standards
- Suitable For End-span PoE Applications with 350mA current Capability
- 2.5/5G Base-T, Surface Mount Type, Open Header
- Operating temperature: 0°C ~ +70°C
- Storage temperature range: -20°C to +125°C.

Dimension



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Specifications

Electrical Specification@25° C Operating Temperature 0 to +70° C								
Part NO	Trun Ratio($\pm 2\%$)		OCL primary@100KH z 0.1Vms	Insertion loss(dB max)		DCMR(dB MIN)		
	TX	RX		100KHz	100-125MHz	30MHz	100MHz	125MHz
2G52429S	1CT:1CT	1CT:1CT	180uH Min	-1.0	-1.2	-35	-30	-25

Electrical Specification@25° C Operating Temperature 0 to +70° C								
Part NO	DCR(Ω)		Return Loss(dB min)MHz		Crosstalk(dB min)MHz			Isolation Voltage(Vrms)
	Primary	Secondary	1-40MHz	40-125MHz	30MHz	100MHz	125MHz	
2G52429S	0.5Max	0.7Max	-18	-16+10*LOG(f/40)	-35	-30	-25	2250

Schematic

