

Star Magnetics 100/1000M Transformer Modules with PoE Option

Features:

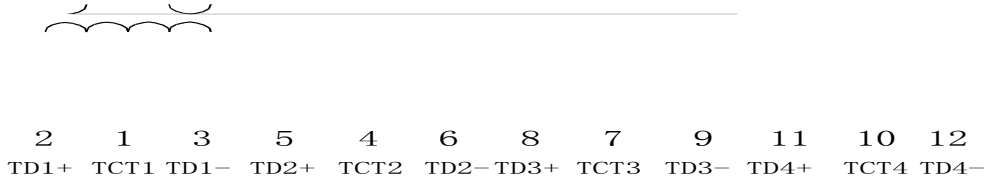
- Designed to Support 1:1 Turns Ratio Transceivers, Full duplex applications
- Supports 4 pairs of category 5 UTP cable
- Comokuant with IEEE 802.3af
- Operating temperature -40°C to 85°C
- Minimum interwinding breakdown voltage of 1500Vrms

Electrical Specifications @ 25°C

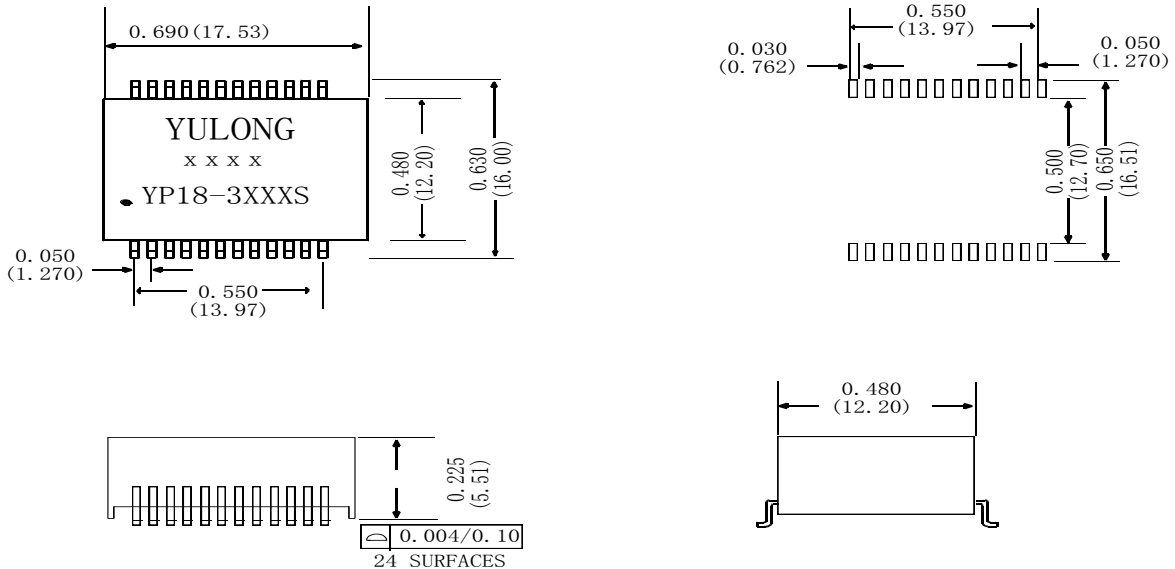
Part Number	Insertion Loss (dB Max)	ReturnLoss (dB min)		Common to Common Mode Rejection (dB min)	Crosstalk (dB min)
	0.1MHz to 100MHz	0.5MHz to 40MHz	40MHz to 100MHz	0.1MHz to 100MHz	30MHz 60MHz 100MHz
YP18-3001S	-1.0	-18	-12	-30	-45 -40 -35

Schematics

MX1+ CMT1 MX1- MX2+ CMT2 MX2- MX3+ CMT3 MX3- MX4+ CMT4 MX4-
 23 24 22 20 21 19 17 18 16 14 15 13



Mechanicals



NOTE: Dimensions: inches/(mm) unless otherwise specified all tolerances are ±0.010(0.25)