

Star Magnetics Gigabit Transformer Modules with PoE Option

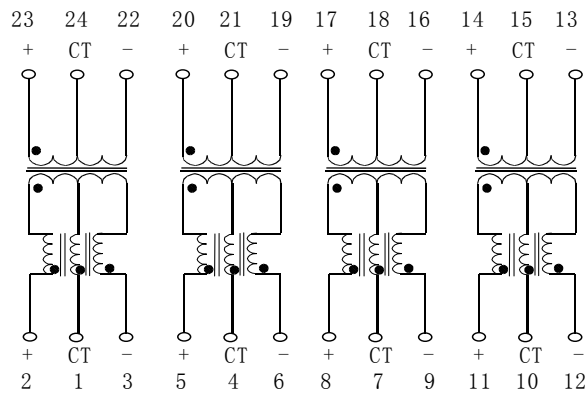
Features:

- 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

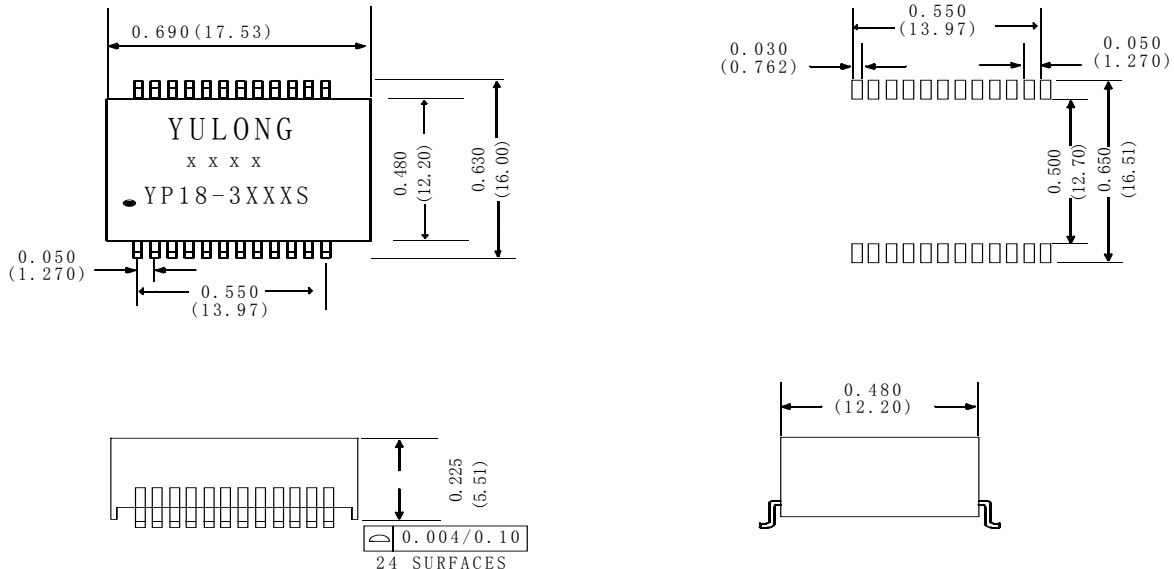
Electrical Specifications @ 25°C

| Part Number | Insertion Loss (dB Max) | Return Loss (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 |
| YP18-3107S | -1.0 | -18 | -12 | -30 | -45 -40 -35 |

Schematics



Mechanicals



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