

# 10/100 BASE-T PULSE TRANSFORMERS

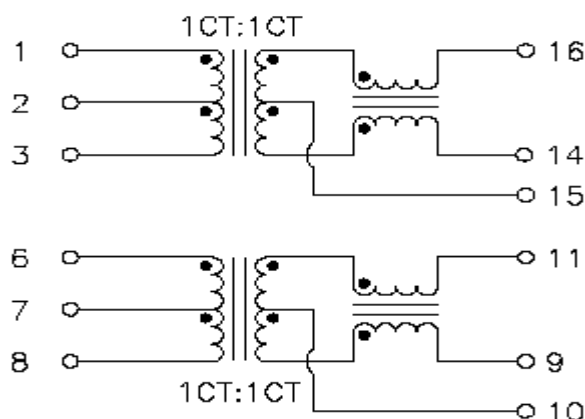
## Features:

- Compatible With Various 10/100TX Transceiver Requiring 1:1 Transmit and 1:1 Receive Turn Ratio
- all IEEE 802.3 and ANSI X3.263 standard including 350 uH OCL with 8 mA bias
- Designed to withstand IR reflow temperatures up to 250°C
- Operating temperature -40°C to 85°C
- Minimum interwinding breakdown voltage of 1500Vrms

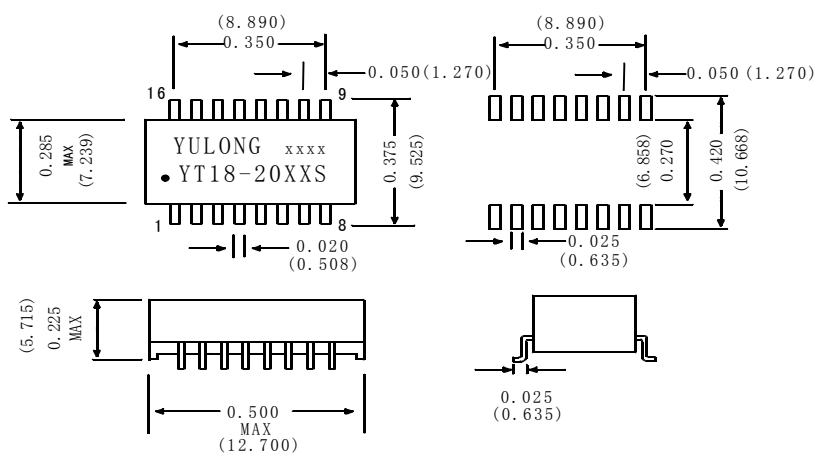
## Electrical Specifications @ 25°C

| Part Number | Insertion Loss (dB Max) | Return Loss (dB min) |       |                | CMRR (dB min)    | Crosstalk (dB min) |       |                 |
|-------------|-------------------------|----------------------|-------|----------------|------------------|--------------------|-------|-----------------|
|             | 0.1MHz to 100MHz        | 0.1MHz to 30MHz      | 50MHz | 60MHz to 80MHz | 0.1MHz to 100MHz | 0.1MHz to 30MHz    | 60MHz | 80MHz to 100MHz |
| YT18-2050S  | -1.0                    | -16                  | -12   | -10            | -38              | -42                | -38   | -35             |

## Schematics



## Mechanicals



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