



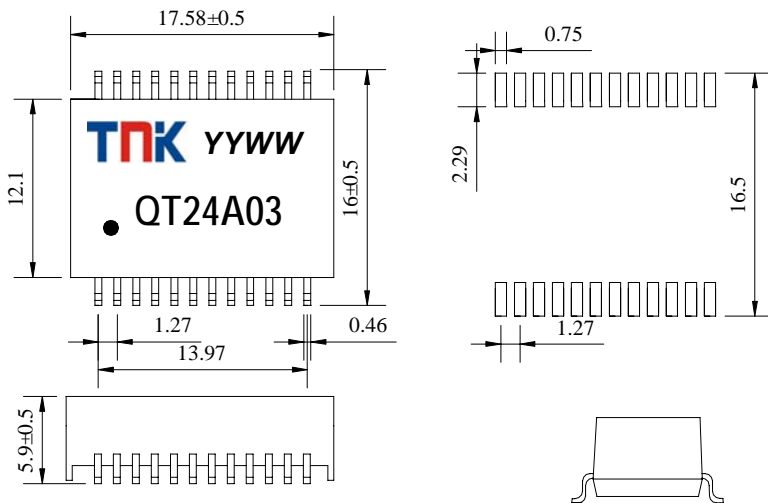
# 1000 Base-T Single Port Transformer Module

- ✚ Designed to meet IEEE802.3af requirement
- ✚ Designed to meet IR 255°C peak requirement
- ✚ Primary inductance 350uH min with 8mA DC Bias
- ✚ ROHS Compliant
- ✚ Operating temperature range:0°C to +70°C
- ✚ Storage temperature range:-25°C to +125°C

## Electrical Specifications @ 25°C

| Part Number | Turn Ratio |     | Insertion Loss<br>0.5~100MHz<br>(dB Max) | Return Loss<br>(dB Min) |                |                | Cross Talk<br>(dB Min) |                 | CMRR<br>(dB Min) | CWW<br>(pF Max) | LK<br>(uH Max) | DCR<br>(Ω Max) | Hi-Pot<br>(Vrms) |
|-------------|------------|-----|--|-------------------------|----------------|----------------|------------------------|-----------------|------------------|-----------------|----------------|----------------|------------------|
|             | Tx         | Rx  |  | 0.5-30<br>MHz           | 30.1-60<br>MHz | 60.1-80<br>MHz | 0.5-40<br>MHz          | 40.1-100<br>MHz |                  |                 |                |                |                  |
| QT24A03     | 1:1        | 1:1 | -1.0                                     | -16                     | -14            | -12            | -35                    | -30             | -30              | 35              | 0.5            | 1.2            | 1500             |

## Mechanical



Dimension:mm

Unless otherwise specified,tolerances:±0.25(mm)

Data sheet subject to change without notice

## Schematics

