

# 10/100BASE-T TRANSFORMER

## MODEL NO.: TH16030S1

**FEATURE:**

RoHS Compliant  
RoHS peak solder rating 260°C/ 3~5 Sec  
Designed to meet IR requirement  
Operating Temperature. : -40°C ~ +85°C

**SPECIFICATIONS: @ 25°C**

OCL : 350 uH Min @100kHz ,100mv / with 8mA DC Bias

| Turns Ratio<br>(±3%) | LL<br>(uH MAX) | C <sub>ww</sub><br>(pF MAX) | DCR<br>(Ω MAX) | Insertion Loss<br>MHz<br>(dB MAX) | Cross Talk<br>MHz<br>(dB MIN) | Return Loss<br>MHz<br>(dB MIN) |         | HI-POT<br>(VAC) |
|----------------------|----------------|-----------------------------|----------------|-----------------------------------|-------------------------------|--------------------------------|---------|-----------------|
| 1CT:1CT              | 0.50           | 30                          | 1.5            | 1~100                             | 1~100                         | 1~60                           | 60~100  | 1500            |
|                      |                |                             |                | -1.1                              | -35                           | -16~-14                        | -14~-10 |                 |

**SCHEMATICS:**

**DIMENSION:** mm ; TOLERANCE:±0.25

