

# 10/100 BASE-T SMT TRANSFORMERS

## For Auto MDI/MDIX Applications

**MODEL NO. : TH16050S1 (Bottom open)**

**FEATURES:**

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

**SPECIFICATIONS @ 25°C**

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

| Turns Ratio<br>( ±5% ) |         | Insertion Loss<br>MHz<br>(dB MAX ) | Return Loss<br>MHz<br>(dB MIN ) |       | Common Mode<br>Rejection<br>MHz (dB MIN ) |        | Cross Talk<br>MHz<br>(dB MIN ) |        | HIPOT<br>(VAC) |
|------------------------|---------|------------------------------------|---------------------------------|-------|---|--------|--------------------------------|--------|----------------|
| TX                     | RX      | 0.1~100                            | 30~60                           | 60~80 | 1~60                                      | 60~100 | 1~60                           | 60~100 | 1500           |
| 1CT:1CT                | 1CT:1CT | -1.0                               | -16                             | -12   | -35                                       | -32    | -40                            | -38    |                |

**SCHEMATICS:**

**DIMENSION:** mm ; **TOLERANCE:** ±0.25

