

# DATA SHEET

UM MODEL NO.:	SPECIFICATIONS	REV.	
UT12034	10/100BASE-TX for Power over Ethernet(PoE)	A1	06/28

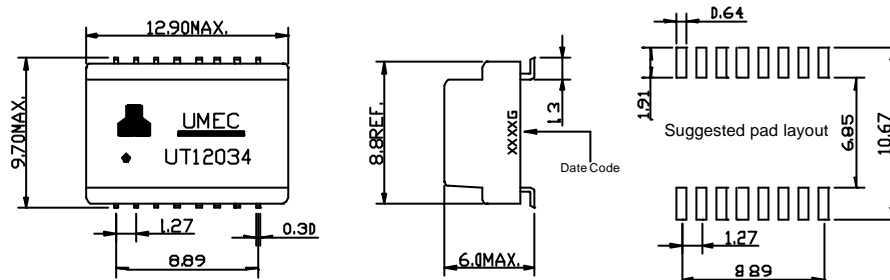
## Features:

1. Meets IEEE 802.3 and ANSI X.3.263 standards including 350uH OCL with 8mA bias
2. Compact footprint for use in the most space restrictive applications
3. Turns Ratio tolerance:  $\pm 5\%$
4. For RoHS Compliant is Designed for reflow soldering at temperature 245°C(+0°C/-5°C)
5. Operating temperature: -40°C to +85°C

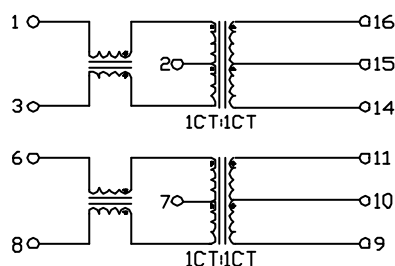
## Electrical Specification @25°C:

1. Insertion Loss: -1.1dB Max. @ 0.10-100MHz
2. Return Loss: -16dB Min. @30MHz  
-10dB Min. @60MHz  
-10dB Min. @80MHz
3. Cross Talk: -35dB Min. @30MHz. TX to RX  
-30dB Min. @60MHz. TX to RX  
-30dB Min. @100MHz. TX to RX
4. HI-POT: 1500Vrms/2sec. Leakage Current 1mA Max./input to output

## Dimensions & Schematic :



Coplanarity: 0.1mm



- NOTE :
1. Packaging Information: Tape and Reel according to Item NO. "SO16A" OF DATA SHEET 01-00
  2. For RoHS compliant products:
    - a.) The UMEC ordering code: **TG-UT12034**
    - b.) Date Code suffix to "G" (xxxxG).
    - c.) Solder : Sn/Ag/Cu .
  3. Specifications are subject to change without prior notice.

UNIT: mm

Tolerances  $\pm 0.25$ mm

E10-007-C



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