

DATA SHEET

UM MODEL NO.:	SPECIFICATIONS	REV.	
UT12005B	10/100BASE-TX Single Port Magnetic Transformer	A1	06/28

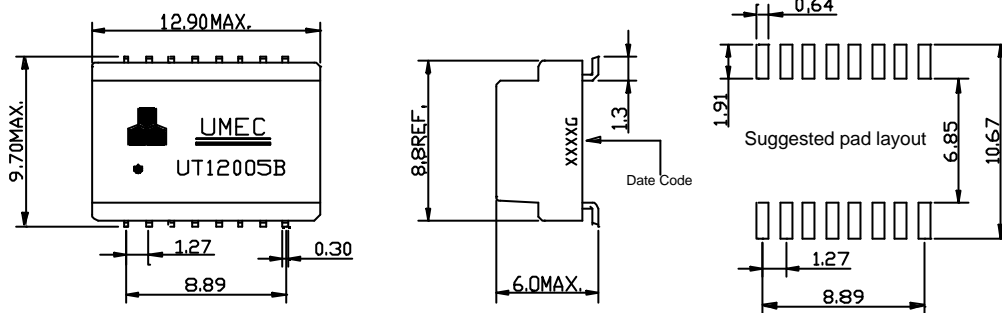
Features:

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 $245^{\circ}\text{C}(+0^{\circ}\text{C}/-5^{\circ}\text{C})$
5. Operating temperature: -40°C to $+85^{\circ}\text{C}$

Electrical Specification @25°C:

1. Insertion Loss: -1.1dB Max. @ 0.1--100MHz
2. Return Loss: -18dB Min. @ 0.1--30MHz
 - 15dB Min. @ 40MHz
 - 13dB Min. @ 50MHz
 - 12dB Min. @ 60--80MHz
3. Com. to Com. Mode Rejection: -35dB Min. @ 0.1MHz to 100MHz TX/RX
4. Cross Talk:-45dB Min. @ 30MHz. TX to RX
 - 40dB Min. @ 60MHz. TX to RX
 - 35dB Min. @ 100MHz. TX to RX
5. 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. "S016A" of data sheet 01-00
2. For RoHS compliant products:
 - a.) The UMEC ordering code: **TG-UT12005B**
 - b.) Date Code suffix to "G" (xxxxG).
 - c.) Solder : Sn/Ag/Cu .
 3. Specifications are subject to change without prior notice

UNIT: mm

Tolerances: $\pm 0.25\text{mm}$



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