



ATM 25MBPS Pulse Transformer for Novacom & SEEQ PHY Interface

Features

- Meets ATM 25.6 PHY specifications providing compatibility with Novacom NOV25PMD6 and SEEQ 93C95 PHY interface
- Impedance matching for 100 ohm UTP applications
- Low profile, light weight SMD packages for high density board placement
- Designed for pick and place compatability while providing consistant and reliable coplanarity
- Excellent quality at extremely competitive price due to high volume production
- Manufactured in ISO-9001 approved Talema facility



Electrical Specifications

Ratings@ 25°C ambient

Operating Temperature Range: -0°C to +70°C

Storage Temperature: -40°C to +105°C

Minimum isolation voltage: 1500 Vrms

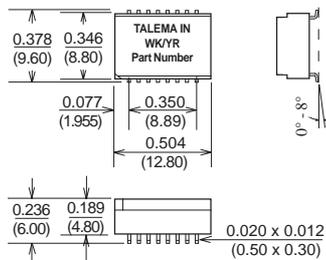
Standard packing in tape and reel

Quality and consistency is guaranteed through 100% testing of the specified parameters for primary inductance, leakage inductance, turns ratio, DC resistance and interwinding capacitance. This ensures that the return loss and pulse wave shape requirements can be fully maintained. Additionally, all parts are tested for 1500V minimum isolation.

Pulse Transformer for Impedance matching for 100 ohm UTP Applications

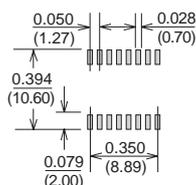
Part Number	Turns Ratio ±2%		OCL (μHMin.)	L _L (μH max)	C _{WW} (pF max)	DCR (Ohms max)
UTM-3000-J	1:1	1ct:1	3000	1.6	55	1.3

UTM Miniature Module

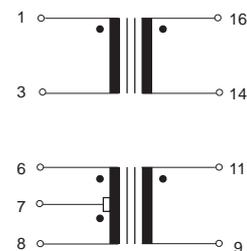


Surface coplanarity 0.004 (0.10) maximum

Suggested Pad Layout



Schematic



Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

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