100 BASE-T / FAST ETHERNET DUAL TRANSFORMERS

Part Number	Turns Ratio Transmit	Receive
T-15500	1.41CT:1CT	1CT:1CT
T-15501	2CT:1CT	1CT:1CT
T-15502	1.25CT:1CT	1CT:1CT

Designed for 100 Base-X and Twisted Pair FDDI

Supports 155Mbps ATM applications over UTP-5 cable

Dual Module (Transmit and Receive channels)

IEEE 802.3 Compatible

Low common mode emisions

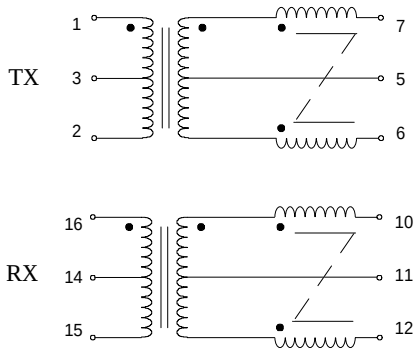
Fast Rise Times

Available on Tape & Reel

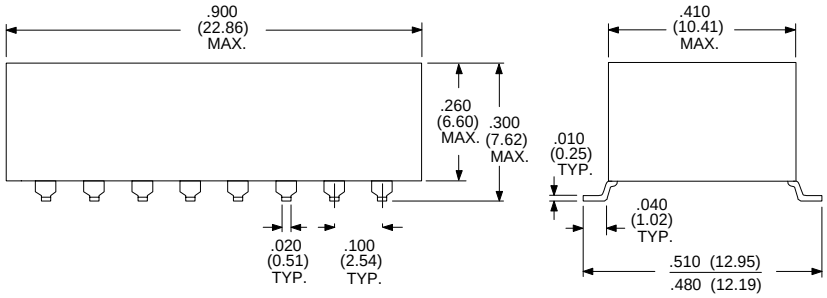
Electrical Specifications at 25° C

OCL (100KHz & 100 mV_{RMS} @8mA)	350 µH Min.
Leakage Inductance	0.40 µH Max.
$C_{W/W}$	20 pF Nom.
DCR	0.9 Ω Max.
Rise Time	2.5 ns Nom.
Cross Talk (0.1-100 MHz)	-38 dB Min.
CMR (0.1-100MHz)	-40 dB Nom.
Isolation	1500 V_{RMS} Min.

Schematic



Physical Dimensions in inches (mm)
(Unused Pins Omitted)



100 BASE-T / FAST ETHERNET SINGLE TRANSFORMERS

Part Number	Turns Ratio
T-15525	1CT:1CT
T-15526	1.41CT:1CT

Part Number	Turns Ratio
T-15527	2CT:1CT
T-15528	1.25CT:1CT

Designed for 100 Base-X and Twisted Pair FDDI

Supports 155Mbps ATM applications over UTP-5 cable

Supports either transmit or receive channels

IEEE 802.3 Compatible

Low common mode emisions

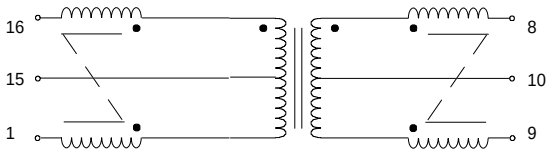
Fast Rise Times

Available on Tape & Reel

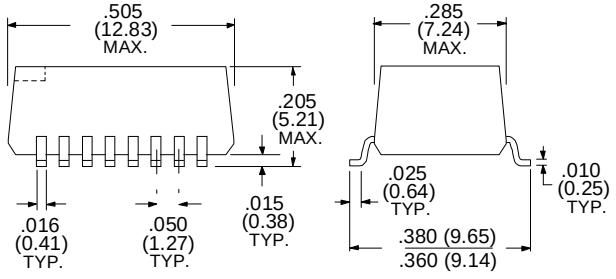
Electrical Specifications at 25° C

OCL (100KHz & 100 mV_{RMS} @8mA)	350 µH Min.
Leakage Inductance	0.40 µH Max.
$C_{W/W}$	0 pF Nom.
DCR	0.9 Ω Max.
Rise Time	2.5 ns Nom.
Cross Talk (0.1-100 MHz)	-38 dB Min.
CMR (0.1-100MHz)	-40 dB Nom.
Isolation	1500 V_{RMS} Min.

Schematic



Dimensions in Inches (mm)



Specifications subject to change without notice.

For other values & Custom Designs, contact factory.

FASTETHR - 1/99

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