

10/100BASE-TX SINGLE PORT SURFACE MOUNT MAGNETICS

Electrical Specifications: @25°C

Isolation Voltage: 1500 Vrms (INPUT to OUTPUT)

Turns Ratio: (1-2-3):(16-15-14)=1CT:1CT $\pm 3\%$

Turns Ratio: (6-7-8):(11-10-9)=1CT:1CT $\pm 3\%$

OCL: 350uH Minimum @100KHz 100mV 8mADC

Rise Time: 2.5ns Typical

Cw/w: 20pF Typical @100KHz 100mV

Leakage Inductance: 0.4uH Max @100KHz 100mV

Insertion Loss (100KHz-100MHz): -1.0dB Maximum

Return Loss: -18dB Minimum @1MHz - 30MHz

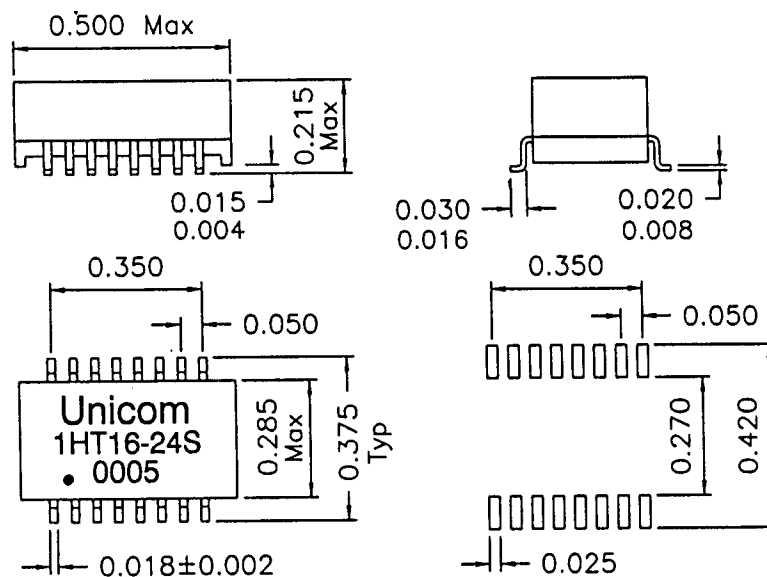
-15dB Minimum @40MHz - 50MHz

-12dB Minimum @60MHz - 80MHz

CMRR: -40dB Typical @100KHz -100MHz

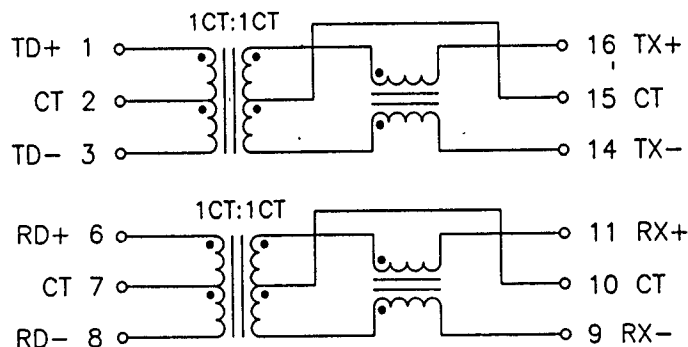
Crosstalk: -38dB Minimum @100KHz -100MHz

Mechanicals:



SUGGESTED PCB PAD LAYOUT

Schematics:



P/N:	DIMENSIONS IN INCH	Unless otherwise specified	REV: A	DRWN:	DATE:
1HT16-24S	SCALE: NONE	Dim. Tolerances are:	PAGE:1/1	APPD:	DATE:
		.xxx ± 0.010			