

10/100 BASE-T TRANSFORMER

P/N:16ST8511 DATA SHEET

A.GENERAL SPECIFICATIONS:

- 1.DESIGNED FOR 10/100 MB/s TRANSMISSION OVER UTP-5 CABLE.
- 2.TESTED & QUALIFIED FOR USE WITH NATIONAL SEMICONDUCTOR'S DP83840 ETHERNET 10/100 PHY CHIP.
- 3.CABLE INTERFACE FOR ISOLATION AND LOW COMMON MODE EMISSIONS.
- 4.16-PIN DIP PACKAGE FOR ECONOMIC COST.
- 5.OPERATING TEMP RANGE:0°C TO +70°C.
- 6.STORAGE TEMP RANGE: -25°C TO +125°C.

B.ELECTRICAL SPECIFICATIONS:

- 1.INSERTION LOSS 0.1 TO 100 MHz (dB MAX.)-1.1
- 2.RISE TIME:(ns TYP)(10-90%): 2.5 ns.
- 3.RETURN LOSS (dB MIN):

FREQUENCY	TX	RX
0.1-60 MHz	-17	-15
60-100 MHz	-15	-11
- 4.DIFFERENTIAL TO COMMON MODE REJECTION (dB MIN.):

FREQUENCY	TX	RX
0.1-60 MHz	-45	-40
60-100 MHz	-40	-35
- 5.CROSS TALK(dB MIN.):

FREQUENCY	
0.1-60 MHz	-40
60-100 MHz	-38
- 6.VOLTAGE ISOLATION(Vrms MIN.):1500

C SCHEMATIC & DIMENSIONS & MARKING (UNIT mm):

