

40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

PN/:40ST1076 DATA SHEET

A.GENERAL SPECIFICATIONS

- 1.IEEE 802.3 ETHERNET COMPATIBLE, 100 BASE-TX
- 2.SURFACE MOUNTABLE
- 3.DESIGN FOR MULTIPOINT REPEATER AND ETHERNET SWITCHING HUB APPLICATION
- 4.CUSTOMER DESIGNS AVAILABLE FOR SPECIFIC APPLICATION

B.ELECTRICAL SPECIFICATIONS @ 25°C

- 1.ISOLATION HI-POT: 1500 Vrms (PRI./SEC.)
- 2.TURN RATIO ($\pm 5\%$): TX=2CT: 1CT, RX=1:1
- 3.INSETION LOSS (dB Max):

TRANSMIT	1-60 MHz	-1.0dB Max
RECEIVE	1-60 MHz	-1.0 dB Max
- 4.RETURN LOSS: 5-30 MHz 30-60 MHz 60-80 MHz

-16dB	-12dB	-10 dB (Min)
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5. CROSSTALKS: 30 MHz 60 MHz 100 MHz

-35dB	-40dB	-30dB (Min)
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- 6.OCL (uH,Min):350uH, at 8mA/dc FORM 0-70°C
- 7.DIFFERENTIAL TO COMMON MODE REJECTION:

30 MHz	60 MHz	100 MHz	200 MHz
-42dB	-32dB	-33dB	-25dB (Min)

C.SCHEMATIC & DIMENSIONS & MARKING (UNIT mm):

