

# 40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

## PN/:40ST1092 DATA SHEET

APPLY TO KENDIN

### A.GENERAL SPECIFICATIONS

- 1.IEEE 802.3 ETHERNET COMPATIBLE, 100 BASE-TX
- 2.SURFACE MOUNTABLE
- 3.DESIGN FOR MULTIPORT 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=1.41CT: 1CT, RX=1:1
- 3.RISE TIME: 0.25 ns TYP
- 4.CW/W: 25pF MAX
- 5.LEAKAGE INDUCTANCE: TX=0.45uH Max
- 6.PRIMARY INDUCTANCE Lp: 350uH min @100KHZ/100mVrms 8mA DC
- 7.CMRR (0.1-100 MHZ): -40dBMin
- 8.CROSSTALKS (0.1 TO 100MHZ): -38dB Min
- 9.RETURN LOSS: 5-30 MHz 30-60 MHz 60- 80 MHz  
-16dB -12dB -10 dB (Min)
- 10.OCL (uH,Min):350 uH, at 8mA/dc FROM 0-70°C
- 11.DCR: 0.9 Max
- 12.INSERTION LOSS (1-100 MHz) MAX:-1.1 dB

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

