

10/100 BASE-T TRANSFORMER

P/N:16PT6120 DATA SHEET

GENERAL SPECIFICATIONS:

1. DESIGNED FOR 10/100 MB/s TRANSMISSION OVER UTP-5 CABLE.
2. CABLE INTERFACE FOR ISOLATION AND LOW COMMON MODE EMISSIONS.
3. 16-PIN DIP PACKAGE FOR ECONOMIC COST.
4. OPERATING TEMP RANGE: 0°C TO +70°C.
5. STORAGE TEMP RANGE: -25 °C TO +125 °C

B. ELECTRICAL SPECIFICATIONS:

1. TURN RATIOS: 1CT: 1CT (1-3-2 TO 5-6-7), 2CT: 1CT (16-14-15 TO 11-10-12)
2. OCL INDUCTANCE(MIN.) @ 100 KHz/0.1Vrms : 350uH(1-2) 8mA DC, 1.4 mH(16-15)
3. CW/W (pF MAX.): 28(1-2 TO 7-5) & 30(15-16 TO 11-12)
4. LEAKAGE INDUCTANCE (uH MAX.): 0.5 (1-2 SHORT 7-5)&1.3(15-16 SHORT 11-12)
5. HI-POT TEST (Vrms): 1500 (1-3-2 to 7-5-6)& (15-14-16 to 11-12-10)
6. INSERTION LOSS (dB Max): -1.15 dB AT 1MHz-100MHz
7. RETURN LOSS (dB Max): 1MHz-30MHz -18dB
 30MHz-60MHz -14dB
 60MHz-80MHz -12dB

C. SCHEMATIC & DIMENSIONS & MARKING: UNIT /mm

