

10/100 BASE-TX “LAN-MATE”

P/N:LU4S092 DATA SHEET

A. CHARACTERISTICS DESCRIPTIONS:

1. RJ-45 CONNECTOR INTEGRATED WITH X'FMR /IMPEDANCE RESISTOR/HIGH VOLTAGE CAPACITOR.
2. SIZE SAME AS RJ-45 CONNECTOR TO SAVE PCB BOARD SPACE.
3. REDUCE EMI RADIATION, IMPROVE EMI PERFORMANCE.
4. DESIGN FOR 100 BASE TRANSMISSION OVER UTP-5 CABLE.
5. OPERATING TEMP RANGE: 0°C TO 70°C.
6. STORAGE TEMP RANGE: -25°C TO + 125°C

B.ELECTRICAL SPECIFICATIONS: @ 25°C

1. ISOLATION HI-POT: 1500 Vrms (PRI. /SEC.)
2. INSULATION RESISTANCE: 10000 m Ω @50 Vdc
3. TURN RATIOS: RX =1CT: 1CT ($\pm 5\%$) & TX=1.41CT: 1CT
4. CW/W (pF Max.): 15 pF, (TX & RX) TYP
5. PRIMARY OCL INDUCTANCE Lp: 350 uH Min@ AT 100 KHz/100mV 8mA/dc
6. CROSS TALK (dB Min): -38 @0.1 MHz-100MHz
7. CMRR: -40 dBMin
8. INSERTION LOSS 1 TO 100 MHz (dB Max.) -1.1
9. RETURN LOSS (dB Min):

0.5-30MHz	40MHz	50 MHz	60-80 MHz
-18	-15.5	-13.6	-12

C:SCHEMATICS & DIMENSIONS & MARKING(UNIT mm):

