

10/100 BASE-TX “LAN-MATE”

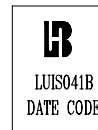
P/N: LU1S041B DATA SHEET

A. GENERAL SPECIFICATIONS

1. COMPLIES WITH REQUIREMENT OF IEEE802.3u STANDARDS.
2. RJ 45 CONNECTOR WITH 10/100 BASE-TX MAGNETIC.

B. ELECTRICAL SPECIFICATIONS: (25°C)

1. TURN RATIOS: (P6-P3): (J6-J3)=1CT: 1CT & (P2-P1):(J2-J1)=1CT: 1CT
2. INDUCTANCE: (P6-P3) MIN: 350 uH @ 100 KHz 100mV/8mA Bias
(P2-P1) MIN: 350 uH @ 100 KHz 100mV/8mA Bias
3. CW/W (pF MAX.): (P6, P7, P3): (J6-J3)=28
(P2, P4, P1):(J2-J1)=28
4. LEAKAGE INDUCTANCE (uH Max): P6-P3 (WITH J6 AND J3 SHORT): 0.3
P2-P1 (WITH J2 AND J1 SHORT): 0.3
5. HI-POT TEST: 1500 Vrms
6. INSERTION LOSS (1-100MHz): -1.1dBMax
7. RETURN LOSS (dB Min): (0.1-10) MHz: -20 (10-30) MHz: -19
(30-60) MHz: -14 (60-80) MHz: -12
8. CROSS TALK (0.1-60) MHz: -40dB
(60-100) MHz: -38dB
9. COMMON MODE REJECTION RATIO: (0.1-60)MHz: -45dB xmit/-40dB RCV
(60-100) MHz: -40dB xmit/-35dB RCV



C: SCHEMATIC & MARKING & DIMENSIONS (UNIT mm): TOLER: +/-0.2

