

10 BASE-T FILTER “LAN-MATE”

P/N:LF4S022 DATA SHEET

A. CHARACTERISTICS DESCRIPTIONS:

1. RJ-45 CONNECTOR INTEGRATED WITH FILTER .
2. SIZE SAME AS RJ-45 CONNECTOR TO SAVE PCB BOARD SPACE.
3. REDUCE EMI RADIATION, IMPROVE EMI PERFORMANCE.
4. COMPLIES WITH IEEE802.3 STANDARDS
5. OPERATING TEMP RANGE: 0°C TO 70°C.
6. STROAGE TEMP RANGE: -25°C TO +125°C

B.ELECTRICAL SPECIFICATIONS AT 25°C

TYPE: 7 POLE (TX) & 5 POLE (RX)

CUT OFF FREQ: 17 MHz ±1.5 MHz (TX & RX)

1. INSERTION LOSS: -1.0 dB Max (TX) & -1.0 dB Max (RX) (1-100 MHz)

2. ATTENUATION		TX	RX
AT 20 MHz	5	4.2 (dB Min.)	
25	19	14	
30	30	20	
40	32	31	

3. RETURN LOSS: FREQUENCY TX RX
5 - 10 MHz -13.5 -13.5 (dB Min.)

4. DIFFERENTIAL TO COMMON MODE REJECTION:

FREQUENCY	TX	RX
30 - 100 MHz	-30	-30 (dB Min.)

5. CROSS TALK ATTENUATION FREQUENCY:

1 - 10 MHz	- 30	-30 (dB Min.)
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6. VOLTAGE ISOLATION (Vrms Min.): 1600 FOR 1 MINUTE.

C:SCGENATUC & DIMENSIONS & MARKING (UNIT mm)

