

SURFACE MOUNT 10 BASE-T INTERFACE FILTER

P/N: FS2015: DESIGNED FOR LEVEL ONE'S LXT907

A. GENERAL SPECIFICATIONS:

1. INTEGRATED FOR ADAPTER;HUB;AND MOTHERBOARD APPLICATIONS.
2. DESIGNED TO MEET IEEE 802.3 10 BASE-T SPECIFICATIONS.
3. LOW PROFILE,SURFACE MOUNT PACKAGE.
4. 235 °C PEAK SOLDER REFLOW TEMPERATURE RATING.

B. ELECTRICAL SPECIFICATIONS @ 25°C:

1. HI-POT: 1500 VRMS (PRI. /SEC.)
2. INSERTION LOSS (5-10 MHz): -1.2dB MAX (TX)
3. 10 BASE-T TURN RATIO (+/- 5%) : $RX=1CT:1CT$; $TX=1CT:1.41CT$
4. 10 BASE-T INDUCTANCE (uH) : $RX=100$ (MIN)/180(NORMAL)
5. 10 BASE-T LEAKAGE INSUCTANCE (uH): $RX=0.2$ (NORMAL)/0.3(MAX)
6. 10 BAES-T INTERWINDING CAPACITANCE (PF): $RX=10$ (NORMAL)/12(MAX)
7. ATTENUATION 30MHz 50MHz 70MHz
TRANSMITTER -24 -30 -30 (dB MIN)
8. RETURN LOSS:
FREQUENCY TX
5-10MHz -12.5 (dB MIN)
9. DIFFERENTIAL TO COMMON MODE
REJECTION:
FREQUENCY TX
30MHz -45 (dB MIN)
50MHz -40
100MHz -30
- 10.CROSSTALK ATTEN (5-10 MHz): -35 dB (MIN)

D.MARKING:



PIN 1 DOT

C. DIMENSIONS & SCHEMATIC: (unit mm)

