

# 10 BASE-T ETHERNET SMD FILTER

## P/N: FS2022B-2: APPLY TO GENERIC IC

### A. GENERAL SPECIFICATIONS:

1. DESIGNED FOR 10 BASE-T APPLICATION.
2. FULLY COMTATIBLE WITH IEEE 802.3 STANDARD.
3. 16-PIN SMD LOW PROFILE PACKAGE .
4. OPERATION TEMP : 0°C TO 70°C.
5. STORAGE TEMP RANG: -25°C TO +125°C.

### B. ELECTRICAL SPECIFICATIONS @ 25°C:

1. TURN RATIO: TX=1CT: 1CT, RX=1CT: 1CT
2. HI-POT: 1800 Vrms
3. CUT-OFF FREQ: 17 MHz +/- 1.5MHz
4. INSERTION LOSS (1-10 MHz):-1.0dB MAX (TX & RX)
5. ATTENUATION 20MHz 25MHz 30MHz 40MHz  
 TRANSMITTER -7 -19 -30 -32  
 RECEIVER -6 -14 -20 -31 (dB MIN)

### 6. RETURN LOSS:

| FREQUENCY | TX  | RX           |
|-----------|-----|--------------|
| 1-10MHz   | -15 | -15 (dB MIN) |

### D.MARKING:

7. CROSSTALK ATTEN (1-10 MHz) :-30 dB(MIN)
8. DIFFERENTIAL TO COMMON MODE REJECTION:  

| FREQUENCY | TX  | RX            |
|-----------|-----|---------------|
| 30-100MHz | -30 | -30 (dB MIN.) |



PIN 1 DOT

### C. DIMENSIONS & SCHEMATIC: (unit mm)

