

# 10 BASE-T ETHERNET SMD FILTER

## P/N: FS2022B: 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)

#### 7. DIFFERENTIAL TO COMMON MODE REJECTION:

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

#### 8. CROSSTALK ATTEN (1-10 MHz): -30 dB (MIN)

#### D.MARKING:



PIN 1 DOT

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

