10 BASE-T ETHERNET SMD FILTER
P/N: FS2026-1: APPLY TO GENERIC IC

A. GENERAL SPECIFICATIONS:

1. DESIGNED FOR 10 BASE-T APPLICATION.
2. FULLY COMPATIBLE WITH IEEE 802.3 STANDARD.
3. 16-PIN SMD LOW PROFILE PACKAGE.
4. OPERATING TEMP RANGE: 0ºC TO 70ºC.
5. STORAGE TEMP RANGE: -25ºC TO +125ºC.

B. ELECTRICAL SPECIFICATIONS @ 25ºC:

1. TURN RATIO: TX=1CT: 1CT, RX=1CT: 1
2. HI-POT: 1600 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:

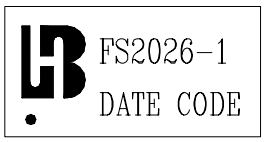
FREQUENCY	TX	RX
5-10MHz	-15	-15 (dB MIN)

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:



C. DIMENSIONS & SCHEMATIC: (unit mm)

