

10 BASE-T ETHERNET SMD FILTER

P/N: FS2022-2: 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. OPERATING TEMP RANGE: 0°C TO 70°C.
5. STORAGE TEMP RANGE: -25°C TO +125°C.

B. ELECTRICAL SPECIFICATIONS @ 25°C:

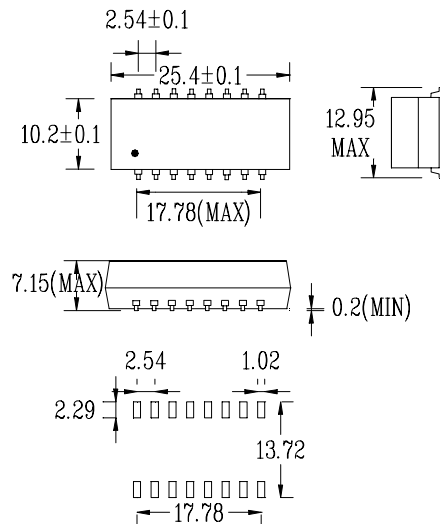
1. TURN RATIO: TX=1CT:1CT ,RX=1CT:1CT
2. HI-POT: 1500 Vrms
3. CUT-OFF FREQ: 17 MHz +/- 1.5MHz
4. INSERTION LOSS (1-10 MHz): -1.0dB MAX (TX & RX)
5. ATTENUATION 20MHz 25MHz 30MHz 40MHz
 TRANSMITTER -7 -18 -28 -33
 RECEIVER -5 -11 -16 -26 (dB MIN)
6. RETURN LOSS:
 FREQUENCY TX RX
 5-10MHz -15 -15 (dB MIN)

7. DIFFERENTIAL TO COMMON MODE REJECTION:

| FREQUENCY | TX | RX |
|-----------|-----|--------------|
| 5MHz | -40 | -40 (dB MIN) |
| 10MHz | -30 | -30 |
| 50MHz | -50 | -50 |
| 100MHz | -45 | -45 |

8. CROSSTALK ATTEN (5-10 MHz): -35 dB (MIN)

C. DIMENSIONS & SCHEMATIC: (unit mm)



D.MARKING:



PIN 1 DOT

