

**10 BASE-T ETHERNET SMD FILTER**  
**P/N: FS2022C: APPLY TO GENERIC IC**

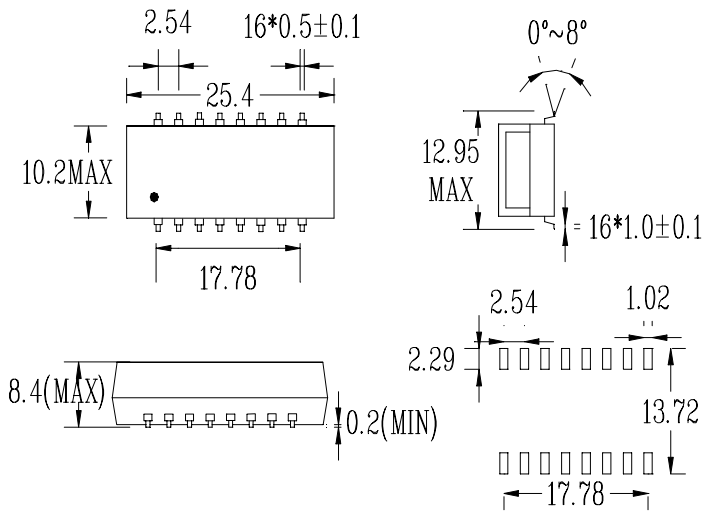
**A. GENERAL SPECIFICATIONS:**

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=1.41CT:1CT
2. HI-POT: 1800 Vrms
3. CUT-OFF FREQ: 17 MHz +/- 1.5MHz
4. INSERTION LOSS (1-10MHz):-1.0dB MAX (TX); (5-10MHz): -1.2dB MAX (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 (dB MIN) 5-10MHz -12.5 (dB MIN)
7. DIFFERENTIAL TO COMMON MODE REJECTION:  
 FREQUENCY TX RX  
 30-100MHz -30 -24 (dB MIN.)
8. CROSSTALK ATTEN (1-10 MHz): -30 dB (MIN)

**C. DIMENSIONS & SCHEMATIC& MARKING: (unit mm)**



TOLER: ±0.25

Suggested pad layout

