

# 10 BASE-T ETHERNET SMD FILTER

P/N:FS2022B APPLY TO GENERIC IC

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## Feature



- Designed for 10 BASE-T application.
- Fully compatible with IEEE 802.3 standard.
- 16-PIN SMD low profile package.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

## Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%)               |         | CUT-OFF Frequency TX/RX   | Voltage Isolation (Vrms) | Insertion Loss TX/RX(dB Max) | Return Loss TX/RX(dB Min) |                                     |
|-------------|---------------------------------|---------|---------------------------|--------------------------|------------------------------|---------------------------|-------------------------------------|
|             | TX                              | RX      |                           |                          | 1–10MHz                      | 1-10MHz                   |                                     |
| FS2022B     | 1CT:1CT                         | 1CT:1CT | 17 MHz ± 1.5MHz           | 1500                     | -1.0                         | -14                       |                                     |
| Continue    |                                 |         |                           |                          |                              |                           |                                     |
| Part Number | Cross talk Attenuation (dB Min) |         | Attenuation TX/RX(dB Min) |                          |                              |                           | Common Mode Rejection TX/RX(dB Min) |
|             | 1-10 MHz                        |         | 20MHz                     | 25MHz                    | 30MHz                        | 40MHz                     | 30-100MHz                           |
| FS2022B     | -30                             |         | -7/-6                     | -19/-14                  | -30/-20                      | -32/-31                   | -30                                 |

## Schematic

## Mechanical

