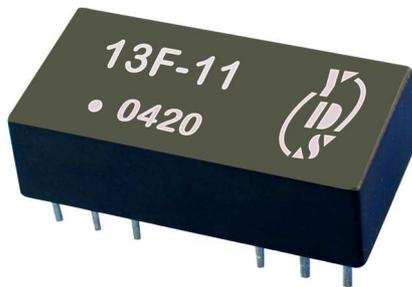


FEATURES:

- Compliant with IEEE 802.3u and ANSI X3.263 standards including 350uH OCL with 8mA Bias
- Storage temperature range: -25°C to +105°C



YUAN DEAN SCIENTIFIC



LAN Filters

13F-1X SERIES

10/100 Base-T

PC Card

LAN Magnetics Modules

16PIN DIL

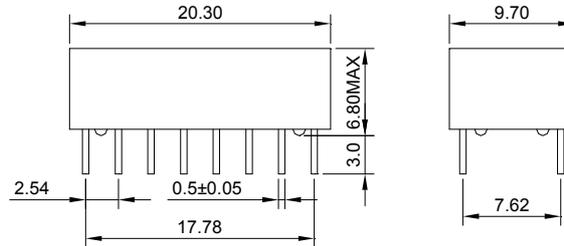


ELECTRICAL SPECIFICATIONS@25°C

Operating temperature 0°C TO 70°C

| Part Number | Turns Ratio(±5%) | | Insertion Loss (dB MAX) | Return Loss (dB MIN @100Ω) | | | | | Crosstalk (dB TYP) | DCMR (dB MIN) | Hipot (Vrms) |
|-------------|------------------|---------|----------------------------|-------------------------------|-----------|-----------|-----------|-----------|-----------------------|------------------|-----------------|
| | Transmit | Receive | | 0.3-100 MHz | 30 MHz | 40 MHz | 50 MHz | 60 MHz | | | |
| 13F-11NL | 1CT:1 | 1CT:1CT | -1.15 | -16 | -14 | -13.5 | -13 | -12 | -35 | -30 | 1500 |
| 13F-12NL | 1CT:1CT | 1CT:1CT | -1.15 | -16 | -14 | -13.5 | -13 | -12 | -35 | -30 | 1500 |
| 13F-13NL | 1CT:1CT | 1CT:1CT | -1.0 | -16 | -13 | -13 | -13 | -10 | -38 | -30 | 1500 |

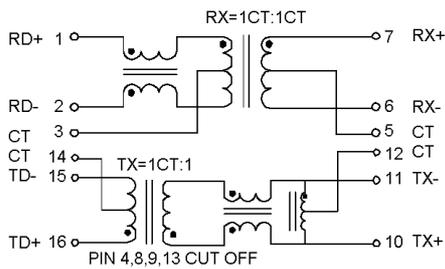
Mechanicals and Dimensions



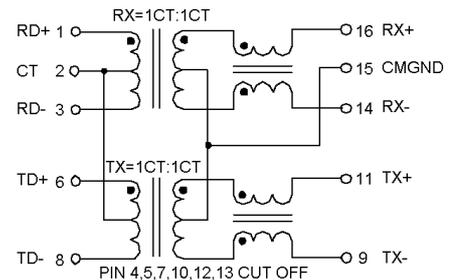
UNIT: mm Unless otherwise specified, all tolerances are ±0.25

Schematics

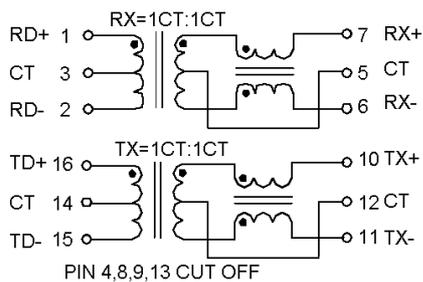
13F-11



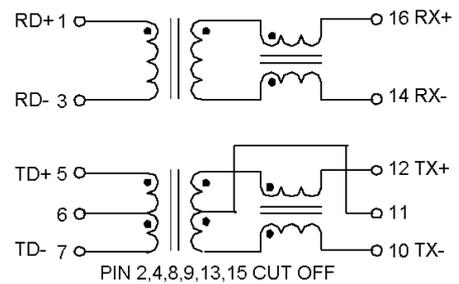
13F-12



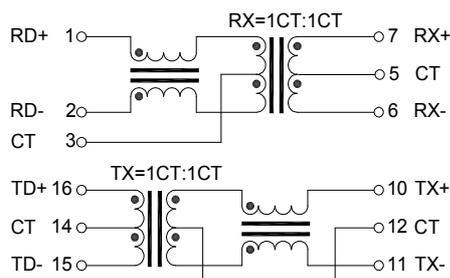
13F-13



13F-14



13F-15



13F-16

