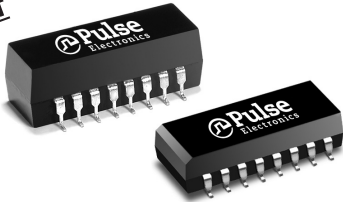


10/100 BASE-TX SINGLE-PORT TRANSFORMER MODULES

Military/Aerospace Grade



- Compliant with IEEE802.3 standards
- 350uH OCL with 8mA DC bias
- Operating temperature: -55°C to +125°C
- Epoxy encapsulated package withstands 235°C peak temperature profile

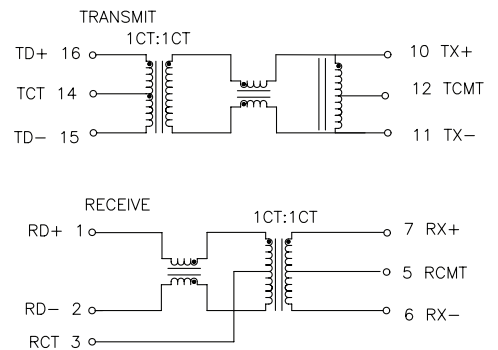
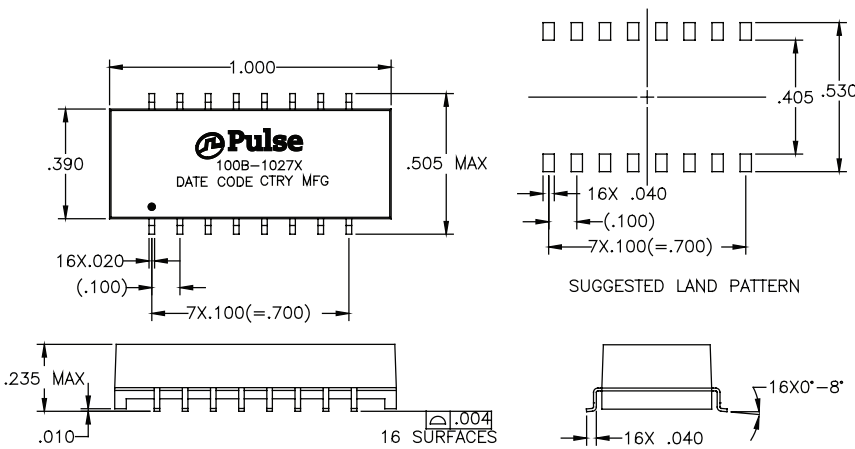
Electrical specification @25°C

| Part Number | Insertion Loss (dB MIN) | Return Loss (dB MAX) | | | | Crosstalk (dB MAX) | | | | Differential to Common Mode Rejection (dB MAX) | | | Common to Common Mode Rejection (dB MAX) | | |
|-------------|-------------------------|----------------------|--------|--------|--------|--------------------|--------|--------|---------|--|-----------|------------|--|-----------|------------|
| | 0.1-100 MHz | 2-30 MHz | 50 MHz | 60 MHz | 80 MHz | 1 MHz | 30 MHz | 60 MHz | 100 MHz | 1-30 MHz | 30-60 MHz | 60-100 MHz | 1-30 MHz | 30-60 MHz | 60-100 MHz |
| 100B-1027X | -1.5 | -18 | -14 | -12 | -10 | -50 | -45 | -38 | -33 | -42 | -37 | -33 | -40 | -35 | -30 |

Mechanicals

Schematic

100B-1027X



Weight..... 3.70grams
Tape & Reel..... 300/reel
Tube..... 20/tube

Dimensions: Inches
mm
Unless otherwise specified,
all tolerances are ± .010
0.25

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