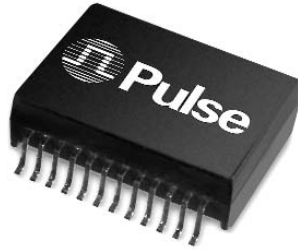


# 10/100BASE-TX DUAL-PORT TRANSFORMER MODULES

## Military / Aerospace Grade



- Compliant with IEEE 802.3u and ANSI X3.263 standards
- 350 $\mu$ H OCL with 8mA bias
- Operating and storage temperature:  
**100B-2002: -40°C to +85°C**  
**100B-2002X: -55°C to +125°C**
- IC grade transfer-molded package withstands 235°C peak temperature profile

### Electrical Specifications @ 25°C

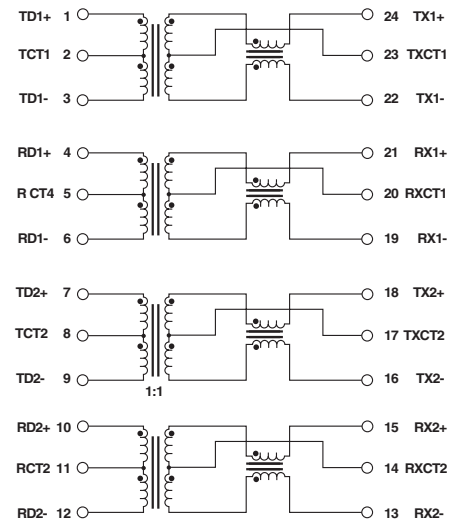
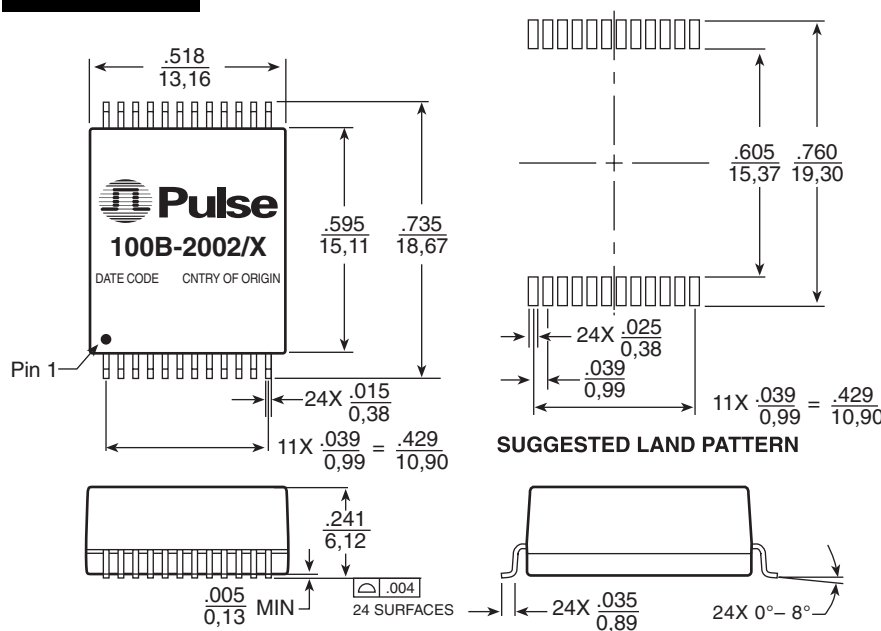
Part Number	Insertion Loss (dB MIN)	Return Loss (dB MAX)					Crosstalk (dB TYP)				DM to CM Rejection Ratio (dB MAX)		
	0.1-100 MHz	2-30 MHz	40 MHz	50 MHz	60-80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	1-30 MHz	30-60 MHz	60-100 MHz	
100B-2002	-1.20	-18	-16	-15	-12	-50	-43	-37	-33	-43	-37	-33	
100B-2002X	-1.20	-18	-16	-15	-12	-50	-43	-37	-33	-43	-37	-33	

**NOTE:** Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. 100B-2002 becomes 100B-2002T). Pulse complies to industry standard tape and reel specification EIA481.

### Mechanical

### Schematic

#### 100B-2002/X



Weight . . . . .3.0 grams  
Tape and Reel . . . . .300/reel  
Pan Tube . . . . .25/tube

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$  Unless otherwise specified, all tolerances are  $\pm \frac{.010}{.025}$

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