

1000BASE-T SINGLE PORT TRANSFORMER MODULES



- Compliant with IEEE 802.3 Standard
- 350 μ OCL with 8mA bias at extended temperatures
- Operating temperature: -40°C to +85°C
- Storage temperature: -55°C to +125°C
- Lead Finish: Hot Dip Sn63/Pb37 Solder
- MSL: 3, RoHS peak reflow temperature rating 235°C

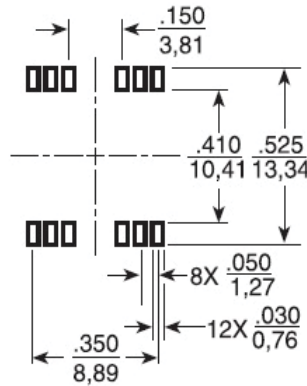
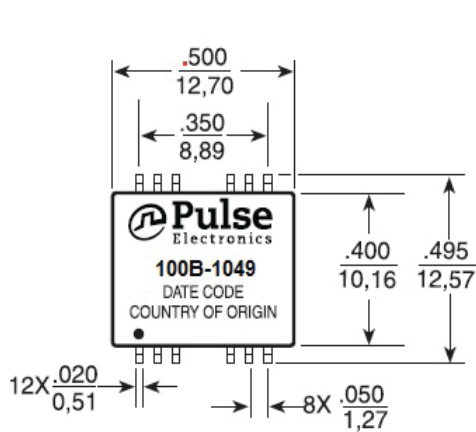
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Turns Ratio ($\pm 5\%$)		Insertion Loss (dB MAX) 100 KHz-100 MHz	Return Loss (dB MIN)			Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)
	TX	wRX		30 MHz	60 MHz	80 MHz	30 MHz	50 MHz	100 MHz	30 MHz	62 MHz	100 MHz	
100B-1049	1:1	1:1	-1.0	-16	-12	-12	-42	—	-33	-45	-40	-35	1500

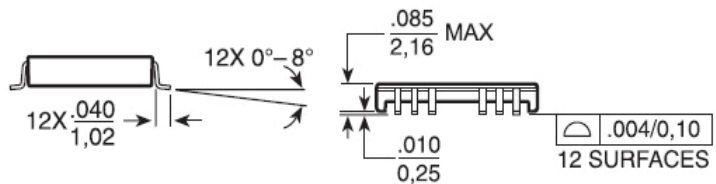
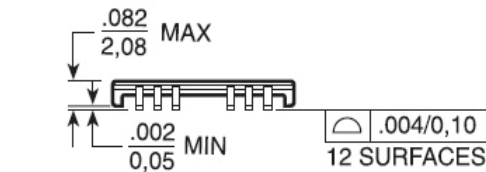
Notes: 1. Add suffix "NL" for RoHS compliant part: i.e. 100B-1049 becomes 100B-1049NL. 2. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. 100B-1049 becomes 100B-1049T)

Mechanical

100B-1049/NL



SUGGESTED LAND PATTERN



Weight0.3 grams
 Tape & Reel500/Reel
 Tube40/Tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

100B-1049/NL

Schematic

