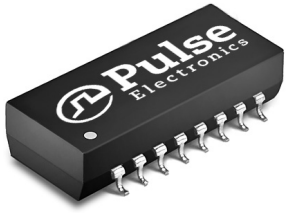
10/100Base-TX Single Port Transformers Modules

With Various Transmit Turns Ratios



- *RoHS peak reflow temperature rating 245°C*
- *Meets IEEE 802.3 specification*
- *Designed for use with transceivers for AMD & Micrel*

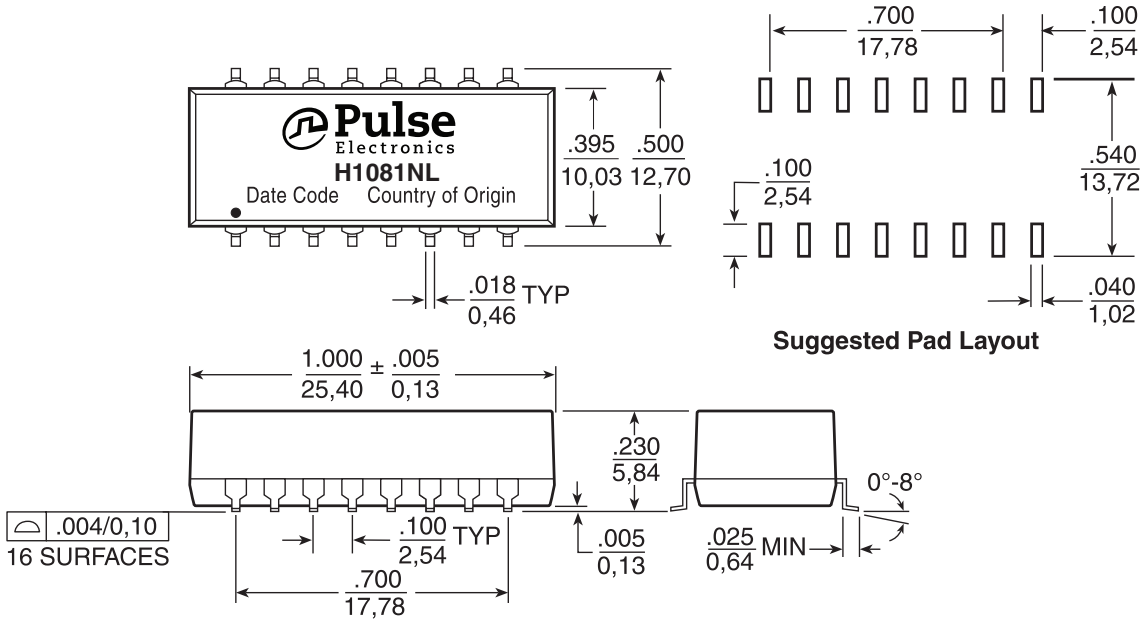
Electrical Specifications @ 25°C – Operating Temperature 0°C to 70°C										
Part Number [2]	Turns Ratio (±5%)		Insertion Loss (dB MAX)	Return Loss (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)
	TX	RX	100 kHz-100 MHz	30 MHz	60 MHz	80 MHz	30 MHz	60 MHz	100 MHz	
H1081NL [1c]	1:1.141	1:1	-2.0	-18	-12	-11	-45	-38	-34	1500

1. MSL = Moisture Sensitivity Level: **a** = 1, **b** = 2, **c** = 3, **d** = 4, **e** = 5

2. When ordering Tape and Reel packaging, add the suffix "**T**" to the end of the parts number. For example, H1081NL**T**.

Mechanical

H1081NL



Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

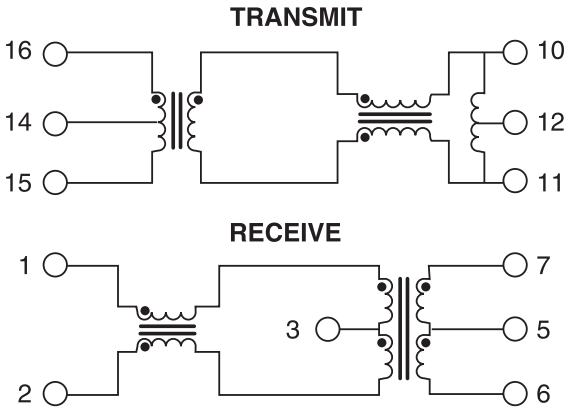
Weight ..... 1.6 grams
Tube 20/tube
Tape and Reel 350/reel

10/100Base-TX Single Port Transformer Modules

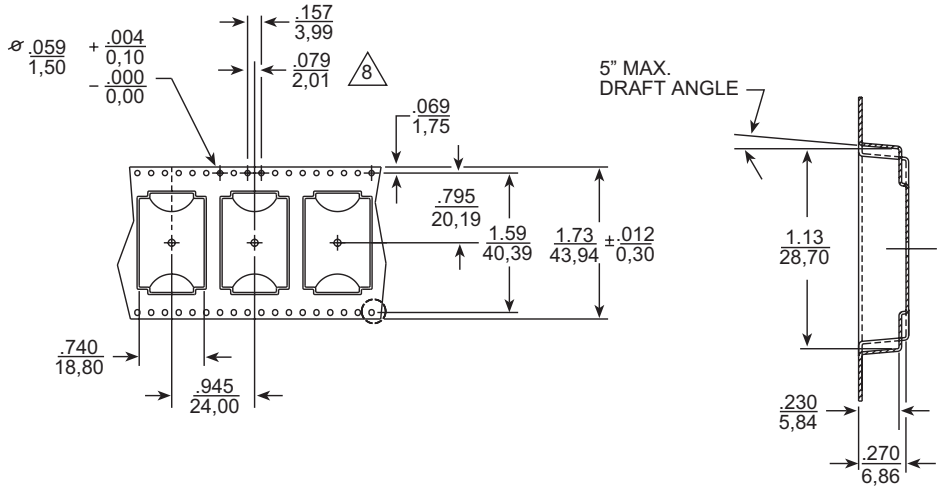
With Various Transmit Turns Ratios

Schematic

H1081NL



Tape & Reel Specifications



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