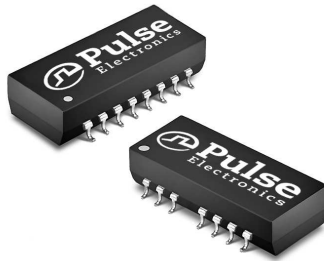


10/100Base-TX Single Port Transformers Modules

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

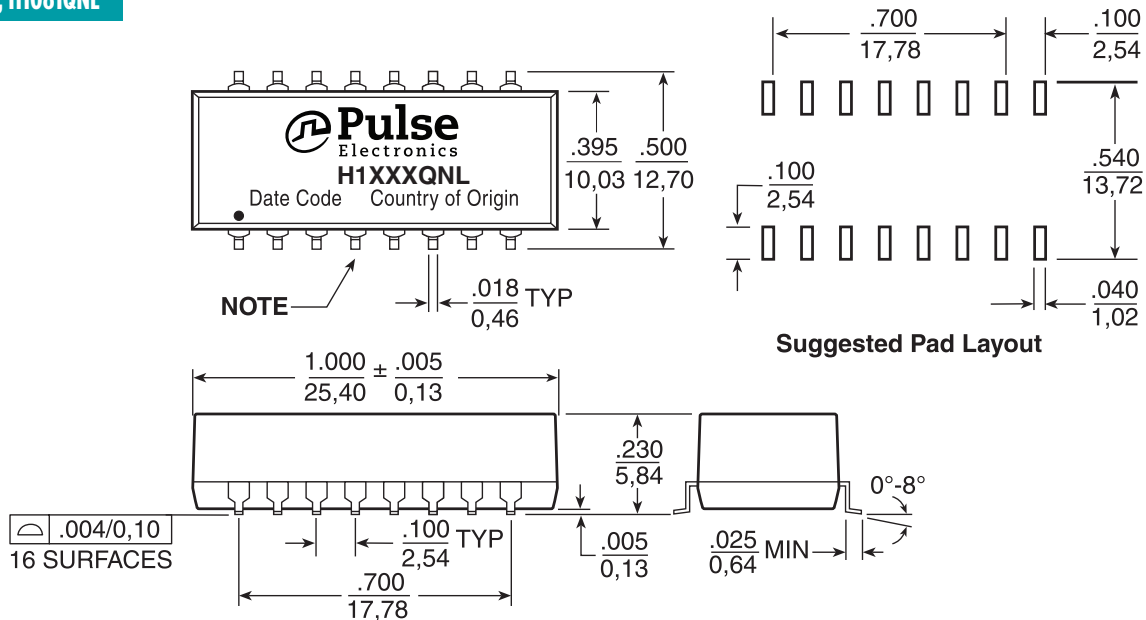
Part Number ²	Turns Ratio (±5%)		Insertion Loss (dB MAX)	Return Loss (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)
	TX	RX	100 kHz-100 MHz	30 MHz	60 MHz	80 MHz	30 MHz	60 MHz	100 MHz	
H1015QNL ^{1a}	1.141:1	1:1	-1.0	-16	-12	-10	-45	-38	-34	1500
H1081QNL ^{1a}	1:1.141	1:1	-2.0	-18	-12	-11	-45	-38	-34	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, H1081NLT.

Mechanical

H1015QNL, H1081QNL



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

NOTE: Pin 4 is omitted on the H1015QNL.

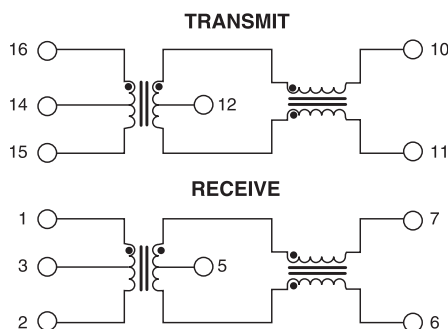
Weight 1.6 grams
Tube 20/tube
Tape and Reel 350/reel

10/100Base-TX Single Port Transformer Modules

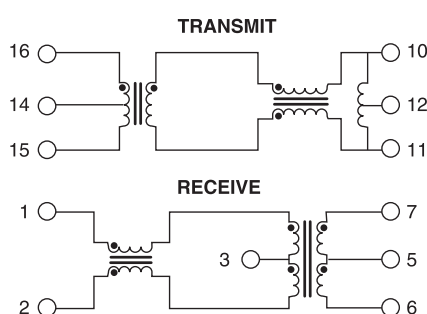
With Various Transmit Turns Ratios

Schematics

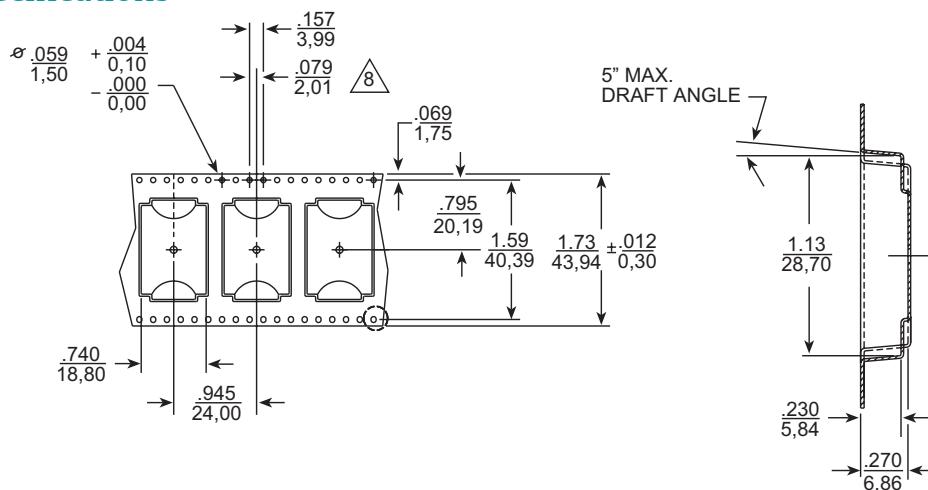
H1015QNL



H1081QNL



Tape & Reel Specifications



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