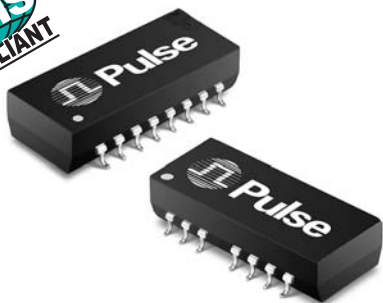


## With Various Transmit Turns Ratios



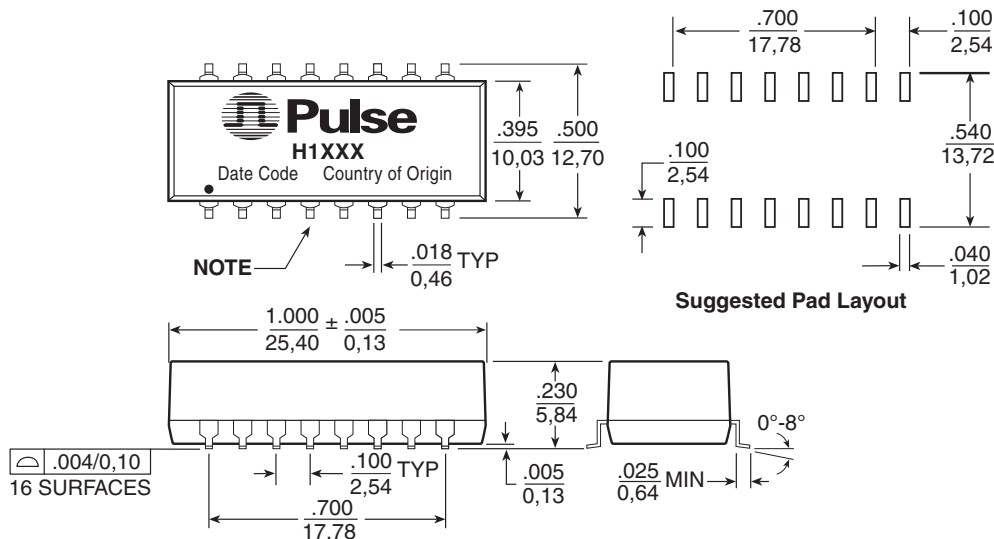
- 

RoHS-6 <sup>4</sup> Compliant Part Number	RoHS-5 <sup>3</sup> Compliant Part Number	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	
—	<b>H1013</b>	1:√2	1:1	-1.0	-16	-12	-10	-45	-38	-34	1500
<b>H1015NL</b> <sup>2c</sup>	—	1:√2	1:1	-1.0	-16	-12	-10	-45	-38	-34	1500
<b>H1033NL</b> <sup>2c</sup>	<b>H1033</b>	1:√2	1:1	-1.0	-16	-12	-10	-45	-38	-34	1500
—	<b>H1035</b>	1:√2	1:1	-1.0	-16	-12	-10	-45	-38	-34	1500
<b>H1043NL</b> <sup>2c</sup>	<b>H1043</b>	1:√2	1:1	-1.0	-16	-12	-10	-45	-38	-34	1500
<b>H1081NL</b> <sup>2d</sup>	<b>H1081</b>	1:√2	1:1	-2.0	-18	-12	-11	-45	-38	-34	1500
<b>H1093NL</b> <sup>2c</sup>	—	1:√2	1:1	-1.0	-16	-12	-10	-45	-38	-34	1500
<b>H1119NL</b> <sup>2c</sup>	—	1:√2	1:1	-2.0	-16	-11	-10	-45	-38	-34	1500

1. **For Tape & Reel** packaging, add suffix "**T**" to the end of the part number when ordering, e.g. H1081**T**.
2. **MSL** = Moisture Sensitivity Level a = 1 b = 2 c = 3 d = 4 e = 5.
3. **RoHS-5**: Product does not contain 5 out of the 6 banned substances specified in the RoHS directive (product contains lead in applications considered solder).

## Mechanical

**H1013, H1015, H1033, H1035, H1043, H1081, H1093, H1119**



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

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

**NOTE:** Pin 4 is omitted on the H1015NL.

# 10/100BASE-TX SINGLE PORT TRANSFORMER MODULES

## With Various Transmit Turns Ratios

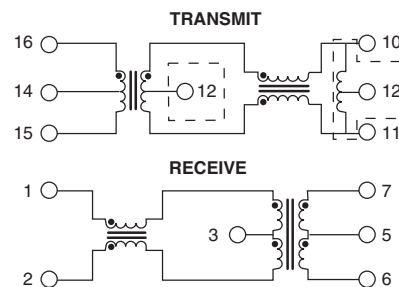
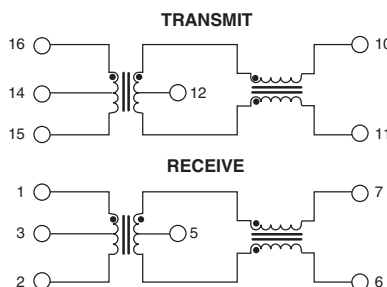
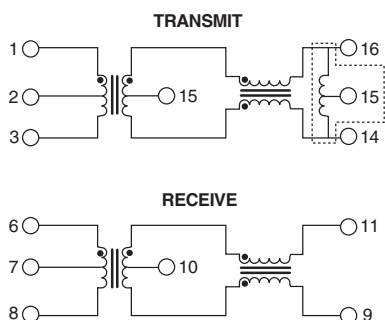


### Schematics

H1013, H1033, H1043, H1093

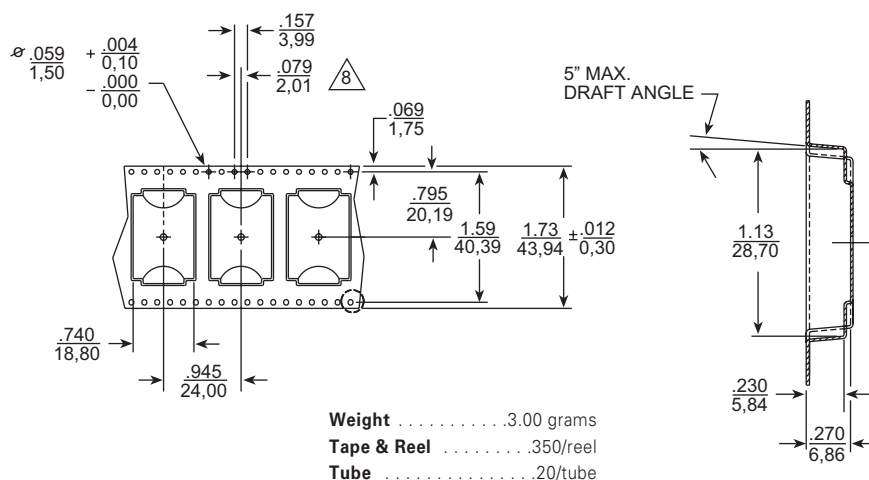
H1015

H1035, H1081, H1119



**NOTE:** The H1081/NL incorporates an autotransformer, so there is no connection to the TX transformer center tap.

### Tape and Reel Specifications



**NOTE:** Modules are packaged in tubes, unless Tape & Reel is specified. Add the suffix "T" such as H1013T for Tape & Reel orders.

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