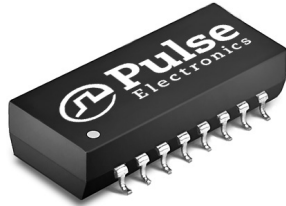


# 10/100Base-TX Single Port Transformers Modules

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

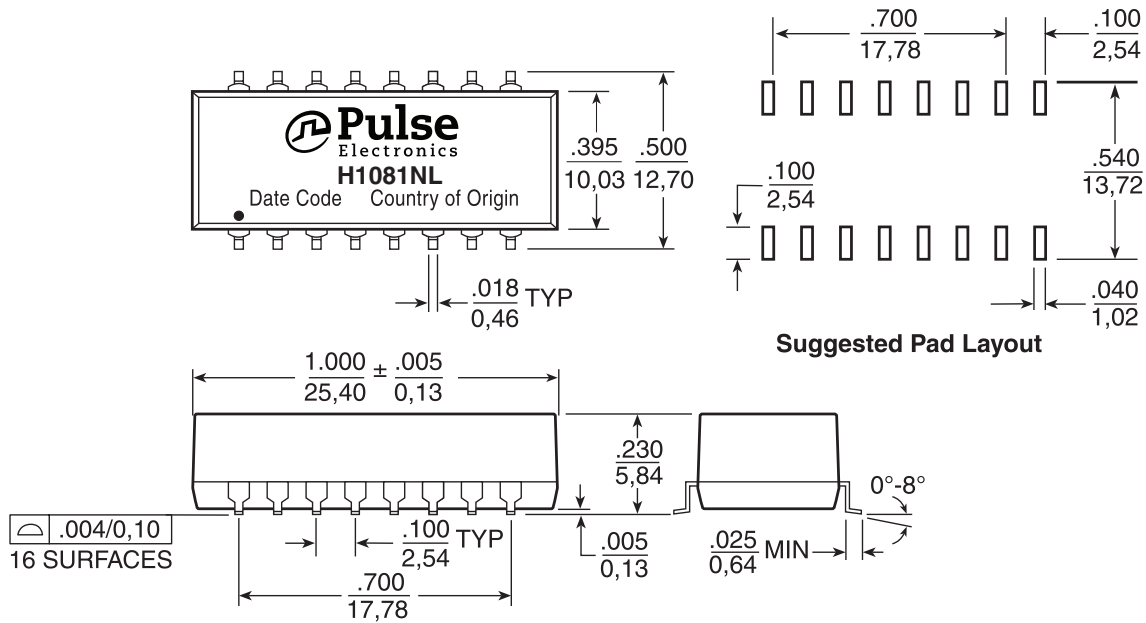
| Part Number <sup>2</sup> | Turns Ratio (±5%) |     | Insertion Loss (dB MAX) | Return Loss (dB MIN) |        |        | Crosstalk (dB MIN) |        |         | Hipot (Vrms MIN) |
|--------------------------|-------------------|-----|-------------------------|----------------------|--------|--------|--------------------|--------|---------|------------------|
|                          | TX                | RX  | 100 kHz-100 MHz         | 30 MHz               | 60 MHz | 80 MHz | 30 MHz             | 60 MHz | 100 MHz |                  |
| H1081NL <sup>1c</sup>    | 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

### H1081NL



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

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

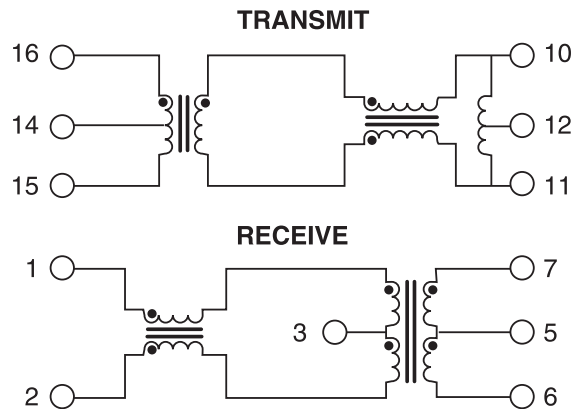
Weight ..... 1.6 grams  
Tube ..... 20/tube  
Tape and Reel ..... 350/reel

# 10/100Base-TX Single Port Transformer Modules

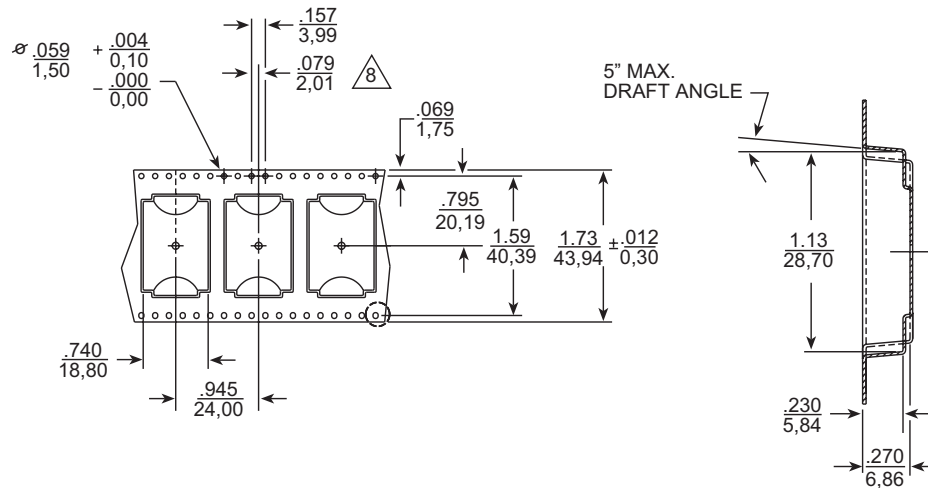
With Various Transmit Turns Ratios

## Schematic

H1081NL



## Tape & Reel Specifications



## For More Information:

Americas - [prodinfo@networkamericas@pulseelectronics.com](mailto:prodinfo@networkamericas@pulseelectronics.com) | Europe - [comms-Apps-Europe@pulseelectronics.com](mailto:comms-Apps-Europe@pulseelectronics.com) | Asia - [prodinfo@networkapac@pulseelectronics.com](mailto:prodinfo@networkapac@pulseelectronics.com)

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