

# 10G BASE-T TRANSFORMER MODULES

Industrial grade



- Compliant with IEEE 802.3 standards
- 120uH OCL Min with 9mA DC, at 100KHz 100mV
- PoE available, 300mA per channel
- Lead finish: Pure tin
- Moisture Sensitivity Level: 1

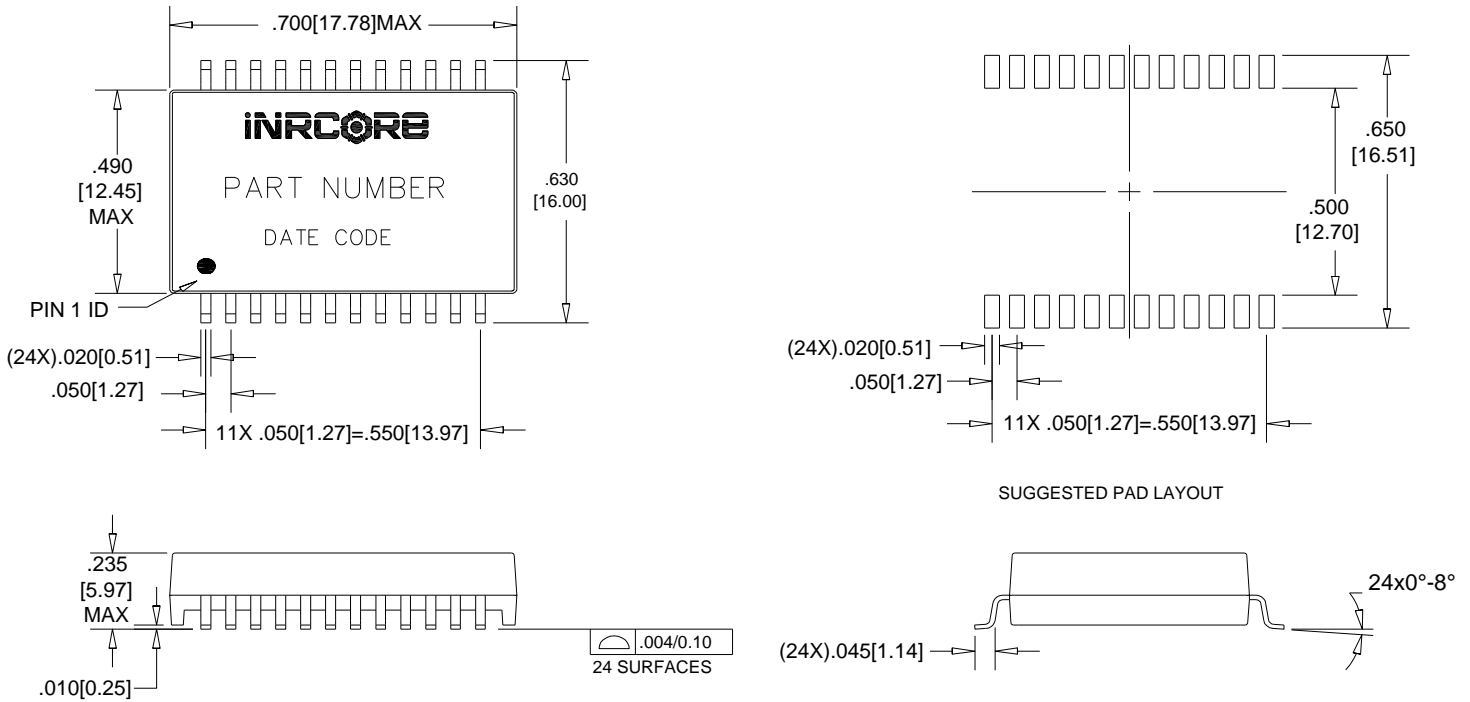
## Electrical Specifications @ 25 °C – Operating Temperature – 40 °C to +85 °C

| Part Number | Insertion Loss (dB MIN) |         | Return Loss (dB MIN) |        |         |         |         |         | Crosstalk (dB MIN) |         |         | DM to CM Rejection Ratio (dB MIN) |         |         | Dielectric Withstanding Voltage @60s (Vrms MIN) |
|-------------|-------------------------|---------|----------------------|--------|---------|---------|---------|---------|--------------------|---------|---------|-----------------------------------|---------|---------|---|
|             | 300 KHz                 | 500 MHz | 1 MHz                | 10 MHz | 100 MHz | 300 MHz | 400 MHz | 500 MHz | 1 MHz              | 100 MHz | 400 MHz | 1 MHz                             | 250 MHz | 500 MHz |   |
| R6001NL     | -3.0                    | -1.8    | -22                  | -24    | -20     | -12     | -9      | -8      | -40                | -37     | -30     | -40                               | -30     | -22     | 1500  |

Notes: 1. Add suffix "T" to part number for Tape & Reel package (ie: **R6001NLT**).

## Mechanical

**R6001NL**



Dimensions: inches[mm]  
 Unless otherwise specified, all tolerances are  $\pm .010 [0.25]$   
 Weight.....2.0grams MAX  
 Tape and Reel.....300pcs/reel  
 Tube.....25pcs/tube



# 10GBASE-T TRANSFORMER MODULES

Industrial grade



## Electrical Schematic

R6001NL

