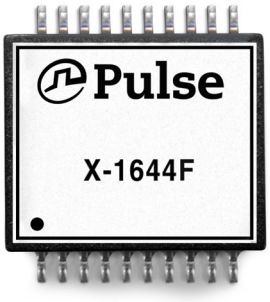
# 10/100 BASE – TX SINGLE PORT TRANSFORMER MODULES

Ruggedized

PulseR Ruggedized Solutions




- 10K VAC for 60 second
- 350uH OCL with 8mA DC
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -55°C to +125°C
- Pure tin finish
- Withstands 245°C Max Reflow Temperature
- MSL: 3
- Pure Tin
- RoHS6

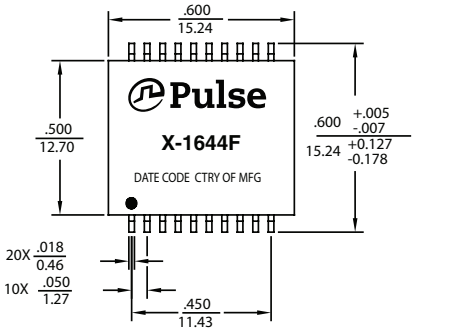
**Electrical Specifications 25°C — Operating Temperature -40°C to +130°C**

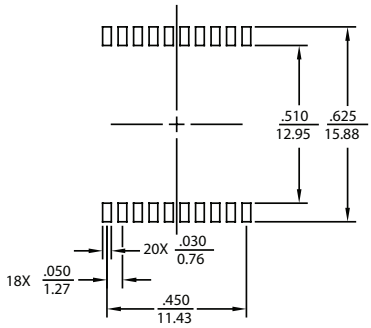
| Part Number | Insertion Loss (dB MAX) | | | | Return Loss (dB MIN) | | | | | | Crosstalk (dB MIN) | | | | Differential to Common Mode Rejection (dB MIN) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.1-30MHz | 60MHz | 80MHz | 100MHz | 5MHz | 30MHz | 50MHz | 60MHz | 80MHz | 100MHz | 1MHz | 30MHz | 60MHz | 100MHz | 30MHz | 60MHz | 100MHz | 200MHz |
| **X-1644F** | -1 | -2 | -2.5 | -3.5 | -18 | -9 | -6 | -5 | -3 | -2 | -45 | -30 | -27 | -25 | -36 | -32 | -30 | -25 |

**Notes:** 1. Add suffix NL for RoHS compliant part; i.e. X-1644FNL 2. For Tape&Reel Packaging, add "T" suffix at the end of the part number; i.e. X-1644FT

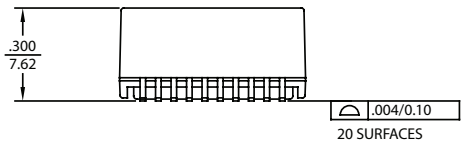
## Mechanical

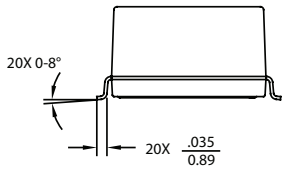
### X-1644F



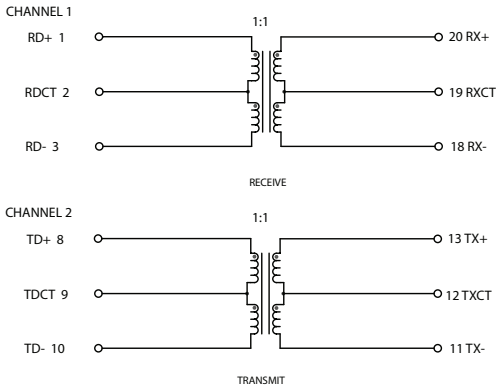




SUGGESTED LAND PATTERN




## Schematic




**Weight** ..... 2.6 grams
**Tube** ..... 20/tube
**Tape & Reel** ..... 300/reel

**Dimensions:** Inches / mm

Unless otherwise specified, all tolerances are 3 .010 / 0,25

## For More Information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