

# 1000BASE-TX Magnetics Solutions GF-62401(ROHS)

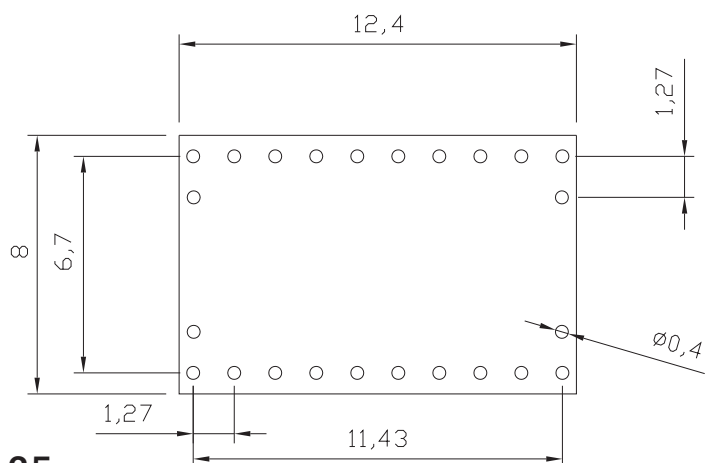
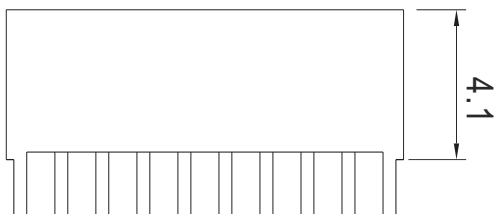
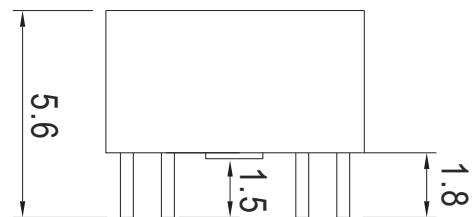
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## Features

- ✦ DESIGNED TO MEET IR REQUIREMENT
- ✦ ENVIRONMENTAL: AT 235 °C IN 1 MINUTE
- ✦ SPECIFICATIONS: AT 25 °C
- ✦ OPERATION TEMP: 0 C ~ 70 C
- ✦ OCL : 350 MIN @8mA (100KHz , 100mV)
- ✦ Turns Ration (±5%):TX (1CT : 1CT) RX( 1CT : 1CT)

## Mechanicals



Units: mm

TOLERANCE DECIMALS: .X±0.25;

.XX±0.15; .XXX±0.05

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SPEC

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## Schematics

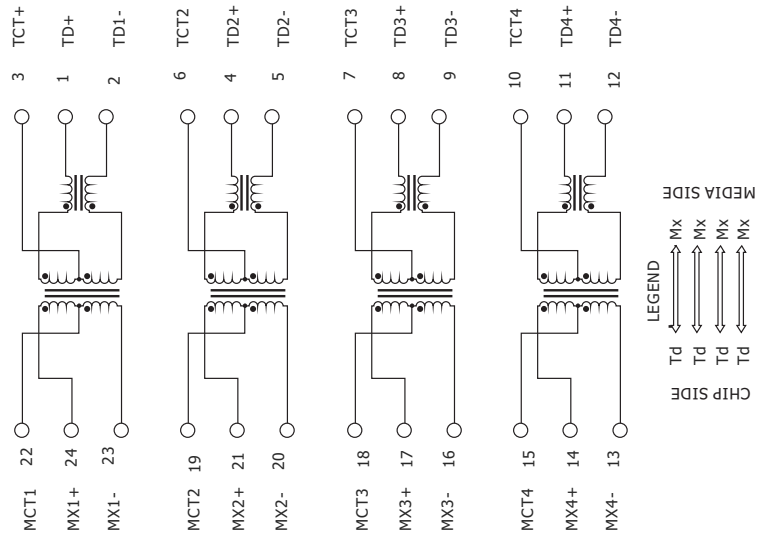
### GF-62401

- ◆ Insertion Loss (dB MAX): 0.3~100 MHz -1.0dB
- ◆ Return Loss(dB MIN @100Ω)
 

30MHz	-18dB
60MHz	-14dB
80MHz	-12dB
- ◆ CMRR TX/RX(dB MIN)
 

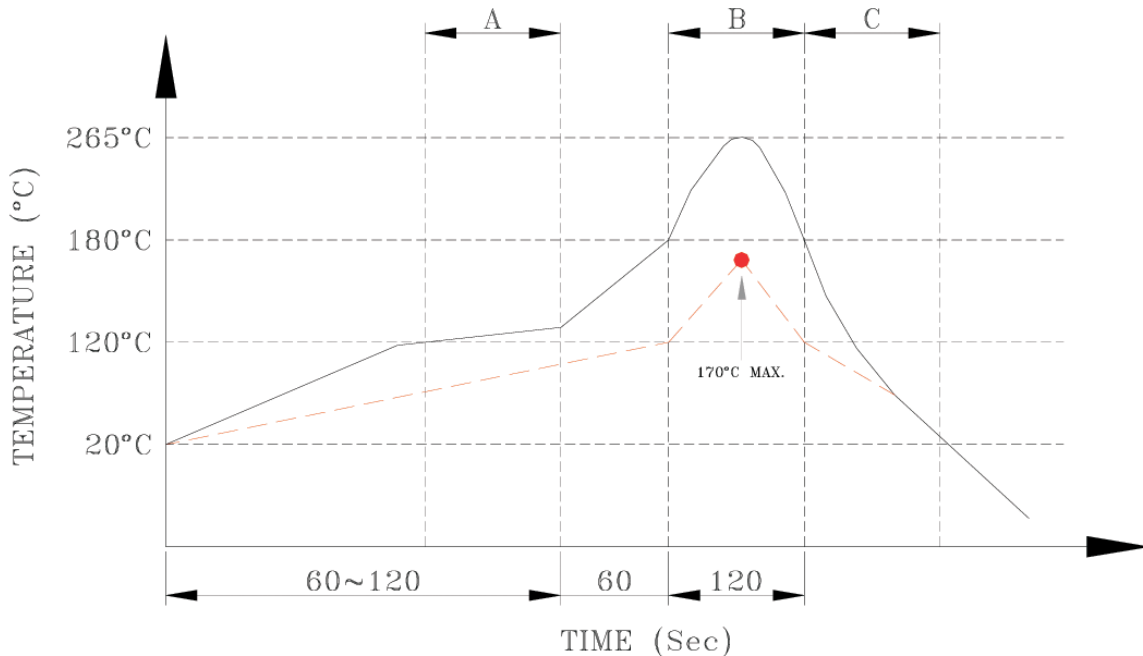
30MHz	-40 dB
50MHz	-35 dB
100MHz	-30dB
150MHz	-20 dB
- ◆ Crosstalk (TX-RX) (dB MIN)
 

30MHz	-50 dB
60MHz	-45 dB
100MHz	-30 dB
- ◆ Hipot (Vrms MIN) 1500V AC



Electrical Specifications @25°C - Operating Temperature 0°C to 70°C

## Profile of wave solder



SUGGESTED WAVE SOLDER CURVE

- PIN TEMPERATURE
  - - - COMPONENT TEMPERATURE
  - (1)Tip temperature : 265°C max
  - (2)Tip temperature time : 3±1sec
- A. Preheating B. Soldering C. Gradual Cooling

\*The melting point of Sn 99.3/Cu 0.7