

1000BASE-TX Magnetics Solutions GF-85003(ROHS)

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Features

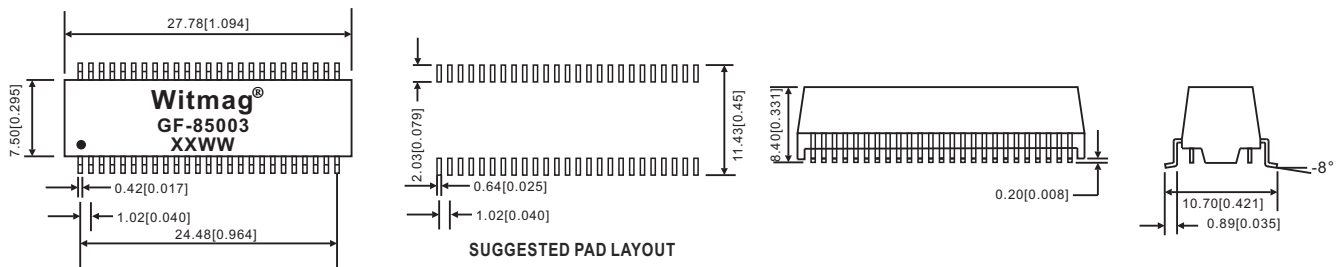
- ◆ Designed support 1:1 turns ratio transceivers
- ◆ Designed for long haul Gigabit ethernet (10/100/1000Base-T) full duplex applications
- ◆ Support 4 pairs of category 5 UTP cable
- ◆ Cable interface for isolation and low common mode emissions
- ◆ Compliant with IEEE802.3ab standard for 1000Base-T

SPEC

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

| Part Number | Turns Ratio (: 5%) | | Insertion Loss (dB MAX) | Return Loss (dB MIN) | | | | Differential to Common Mode Rejection (dB MIN) | | | Crosstalk (dB MIN) | | Hipot (Vrms) |
|-------------|---------------------|-------|-------------------------|----------------------|----------|----------|-----------|--|--------|--------|--------------------|----------|--------------|
| | TX | RX | | 1~100 MHz | 1~30 MHz | 40~60MHz | 60~80 MHz | 100 MHz | 30 MHz | 60 MHz | 100 MHz | 1~60 MHz | |
| GF-85003 | 1CT:1 | 1CT:1 | -1.0 | -18 | -13 | -12 | -10 | -35 | -30 | -30 | -40 | -35 | 1500 |

Mechanicals



Unit:mm [Inch]

Unless otherwise specified, all tolerances are 0.25 [0.010]

Schematics

