

# 1000BASE-TX Magnetics Solutions GF-85002(ROHS)

# Witmag

TEL: +86 755 36921672 FAX: +86 755 29454863  
Http://www.witmag.com.cn Http://www.witmag.cn  
E-mail:sales@witmag.com.cn

## Features

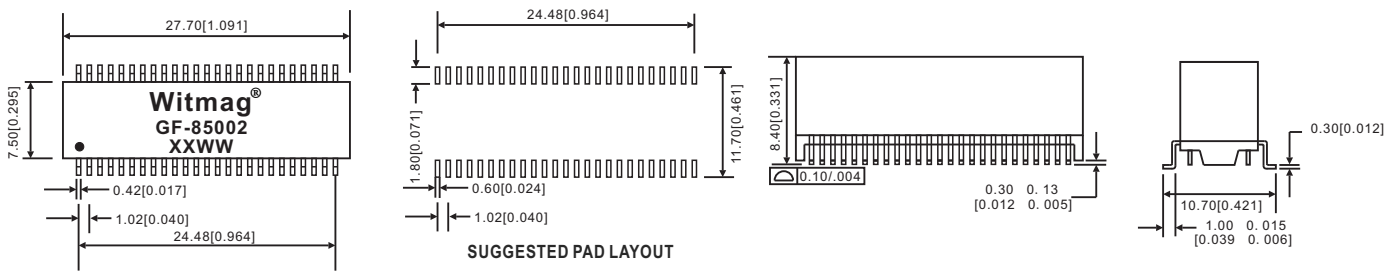
- ◆ Designed support 1:1 turns ratio transceivers
- ◆ Designed for long haul Gigabit ethernet (10/100/1000Base-T) full duplex applications
- ◆ Support 4 pairs of category 5 UTP cable
- ◆ Cable interface for isolation and low common mode emissions
- ◆ Compliant with IEEE802.3ab standard for 1000Base-T

## 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 MHz	50 MHz	60~80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
GF-85002	1CT:1	1CT:1	-1.0	-18	-14	-13	-12	-10	-43	-37	-33	-40	-35	-30	1500	

## Mechanicals



Unit:mm [Inch]

Unless otherwise specified, all tolerances are 0.25 [0.010]

## Schematics

