

1000BASE-TX Magnetics Solutions GF-82401(ROHS)

Witmag

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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
- ✦ GF-82403/04 designed to fit behind 1X1 RJ45 connector
- ✦ Cable interface for isolation and low common mode emissions
- ✦ Compliant with IEEE802.3ab standard for 1000Base-T
- ✦ POE applications current capability: 1 A MAX

SPEC

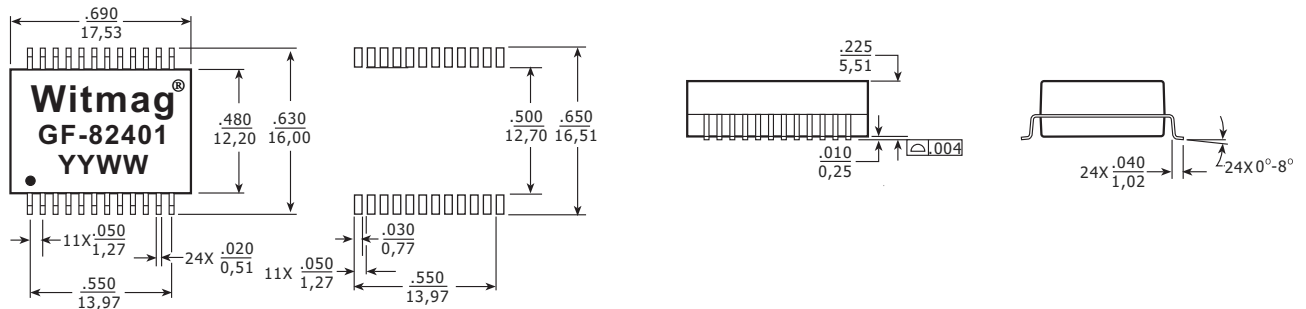
Electrical Specifications @25°C - Operating Temperature 0°C to 70°C

Part Number	Number of Ports	Insertion Loss (dB MAX)	Return Loss (dB MIN)					Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)		
			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
GF-82401	1	-1.0	-18	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35

1.All Hipot(Vrms) are 1500V

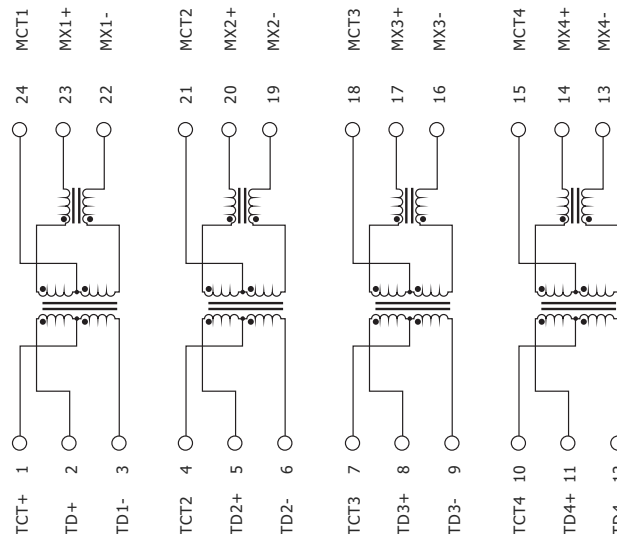
Mechanicals

GF-82401



Schematics

GF-82401

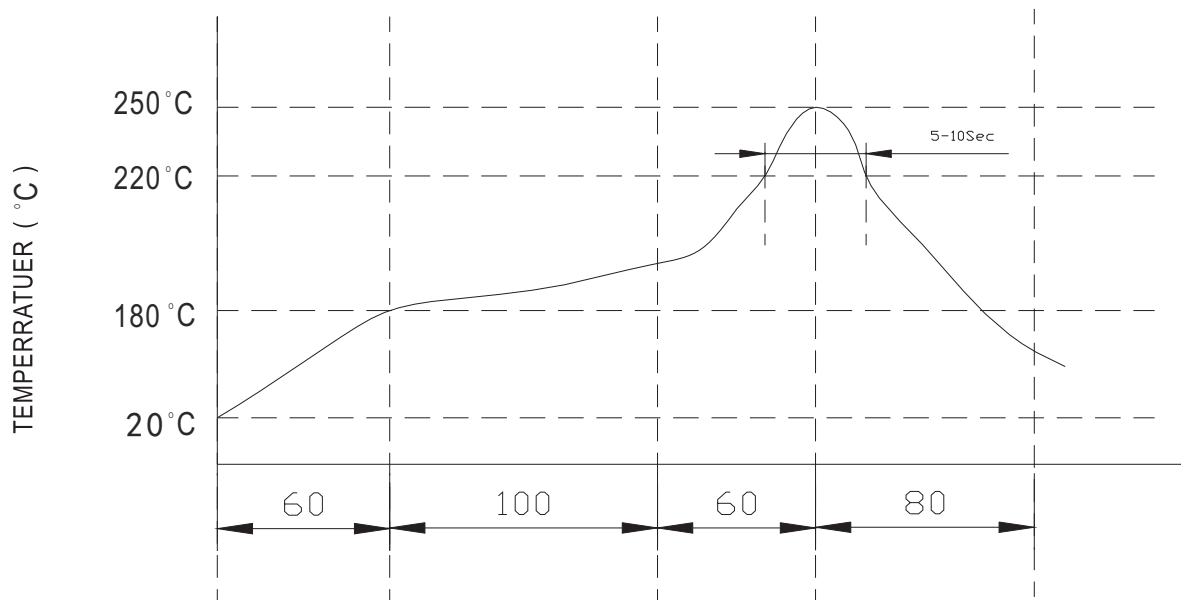


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Profile of wave solder



SUGGESTED WAVE SOLDER CURVE

- (1) Tip temperature :250 ±10°C
- (2) Tip temperature time :5 sec max
- *The melting point of Tin : 183°C