

LAN COMPONENTS

1000 Base-T Dual port LAN Transformer Module MODEL NO:GT5013SG



Feature:

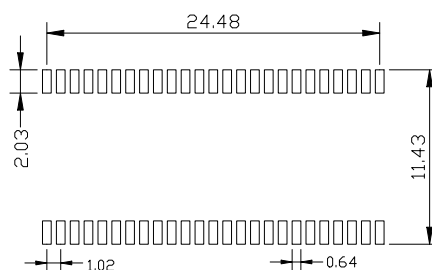
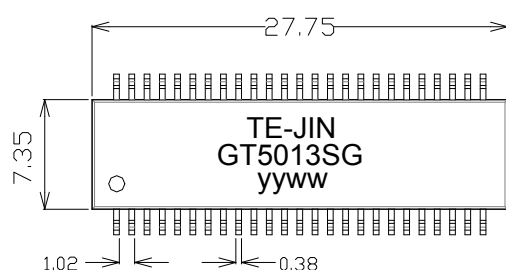
Designed for long haul Gigabit Ethernet 100/1000Base-TX, full duplex applications
Supports 8 pairs of category 5 UTP cable
Meets all IEEE802.3at for 720mA Current capability
Primary inductance(Lp):350 μ H Min (100KHz ,100mV ,8mA)
SMD Environmental: Designed to meet IR 255°C /10 Sec.
Storage Temprange:-40°C To +85°C
HI-POT:1500Vrms

Electrical Specifications at 25°C — Operating Temprange: -40°C To +85°C

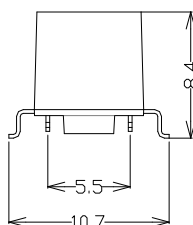
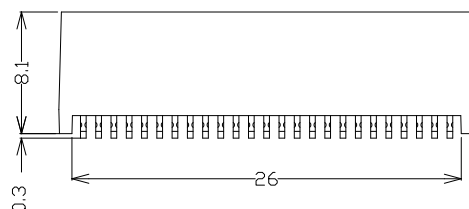
Part Number	Transformer Turns ratio ($\pm 3\%$) Receive Transmit	Insertion Loss (dB TYP) 1-100MHz	Crosstalk (dB TYP) 30/60/100(MHz)	Return loss (dB TYP) 1-30/40/50/60/80(MHz)	CMR (dB TYP) 1~100(MHz)
GT5013SG	1:1 1CT:1CT	-1.1	-35/-30.8/-28	-16/-16/-14.1/-12.5/-10	-40

Dimension: mm

Schematics:



Suggested PAD layout



TD1+1		50 MX1+
TCT2		49 CMT1
TD1-3		48 MX1-
TD2+4		47 MX2+
TCT2 5		46 CMT2
TD2-6		45 MX2-
TD3+7		44 MX3+
TCT3 8		43 CMT3
TD3-9		42 MX3-
TD4+10		41 MX4+
TCT4 11		40 CMT4
TD4-12		39 MX4-
TD5+14		37 MX5+
TCT5 15		36 CMT5
TD5-16		35 MX5-
TD6+17		34 MX6+
TCT6 18		33 CMT6
TD6-19		32 MX6-
TD7+20		31 MX7+
TCT7 21		30 CMT7
TD7-22		29 MX7-
TD8+23		28 MX8+
TCT8 24		27 CMT8
TD8-25		26 MX8-

Data sheet subject to change without notice

Unless otherwise specified,all tolerance are ± 0.25 mm

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