

TAG TECHNOLOGY CO., LTD.

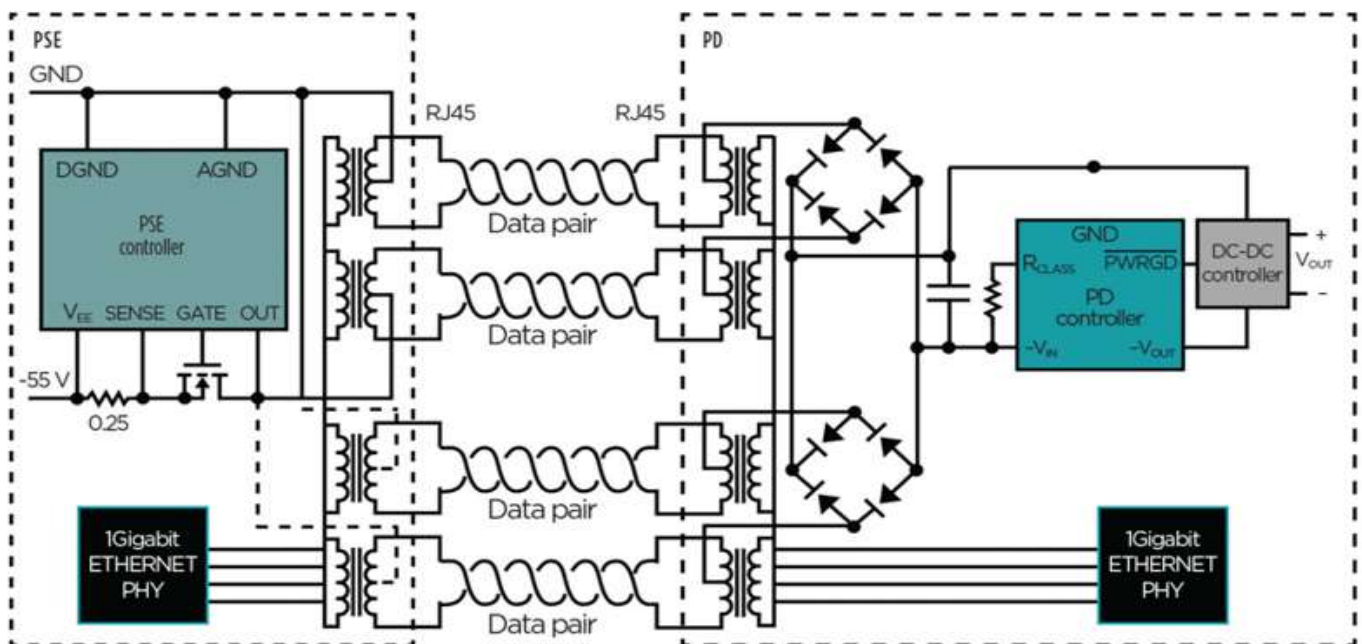
1Gigabit Magnetic Modules-120W PoE Small Footprints that packs a Punch



GS5002SIB / GS5006SIB

ECO Tech Co., Ltd is a manufacturer of communication network discreet magnetics, design for high-tech enterprises. The company adheres to "excellence, innovation, integrity management, and sustainable development". Our company has been consistently producing excellent quality network connector to industry's well-known brands, providing our customers around the world with the best quality service

Ethernet Magnetic Components has released the latest 1Gigabit magnetic module design to support Ethernet Power (PoE) in outdoor and industrial environments. The PoE development from the first standard IEEE802.3AF is indispensable, and enabled with 15W more than two already approved 40W IEEE802.3AT and 70W IEEE802.3BT standard deployments continue with innovative designs. The new GS5002SIB and GS5006SIB provide 90W&120W, respectively, when using CAT5 or the latest standard advanced cables, reducing resistance coils and transmission losses, resulting in superior temperature performance. GS5002SIB and GS5006SIB share the same small-size package, but offer different PCB layouts for easy wiring.



Operating temperatures range from -40°C to +85°C, these components are suitable for a wide variety of applications including wireless access points, building controls, HVAC and lighting, remote sensing, digital video and CLOSED-circuit television cameras.

This component is compatible with all major PHY vendors, and automated mass production allows for superior reliability and repeatability while ensuring cost competitiveness.

Recommended directories:

HEAD OFFICE : Taiwan

TEL : 886 2 2791 9208

FAX : 886 2 2791 9271

ShenZhen

TEL: 86 755 2265 4565

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Dongguan

TEL: 86 769 8298 9853

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E -mail : sales-tw@tag-tech.cn

URL: www.tag-tech.cn

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1Gigabit Magnetic Modules

IEEE802.3at/bt Compliance For PoE

Designed to exceed IEEE802.3au

Compatible with all Major PHYs

Up to 120W PoE over 100m of UTP

Ideal for Wireless Access Points, Building Control, HVAC, Lighting, Remote Sensing, Digital Video and CCTV Cameras



RoHS+HF

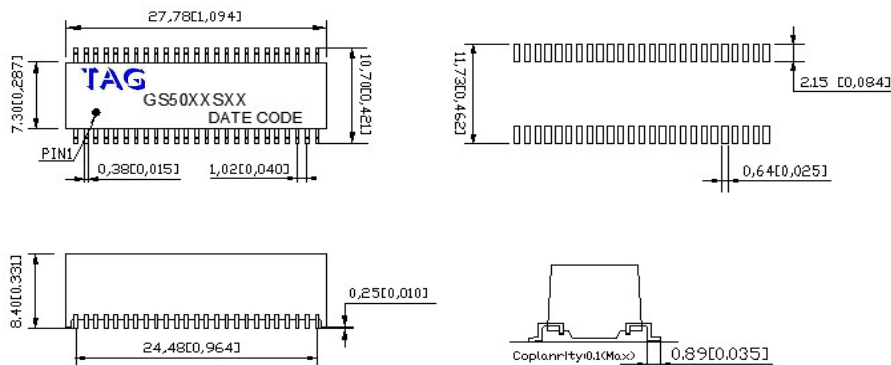
ELECTRICAL SPECIFICATIONS @ 25°C - Operating Temperature -40°C to +85°C

Part Number	Insertion Loss (dB max)	Return Loss (dB min)			Crosstalk (dB min)			CMRR (dB min)
	1-100MHz	40MHz	80MHz	100MHz	30MHz	60MHz	100MHz	1-100MHz
GS5002SIB	-1.1dB	-16dB	-12dB	-10dB	-40dB	-35dB	-30dB	-30dB
GS5006SIB	-1.1dB	-16dB	-12dB	-10dB	-40dB	-35dB	-30dB	-30dB

Part Number	Turns Ratio	OCL	Isolation	Power over Ethernet(PoE)	
				DC Current (@70°C)	Power (4pair UTP)
GS5002SIB	1:1 +/-2%	350uH min 8mA (120uH min 18mA)	1500V AC 1mA 60sec	1200mA	120W(PSE)
GS5006SIB	1:1 +/-2%	350uH min 8mA (120uH min 18mA)	1500V AC 1mA 60sec	1200mA	120W(PSE)

MECHANICAL

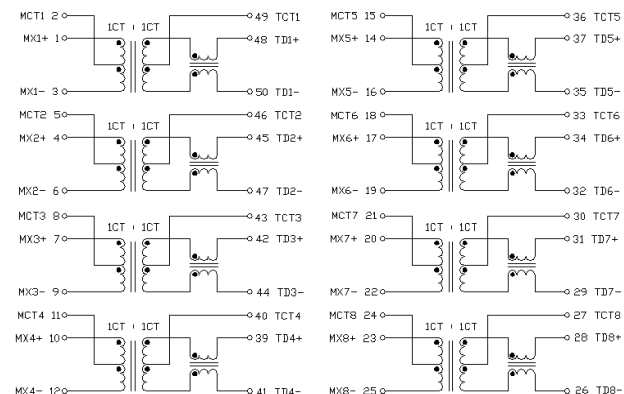
GS50xxSxx



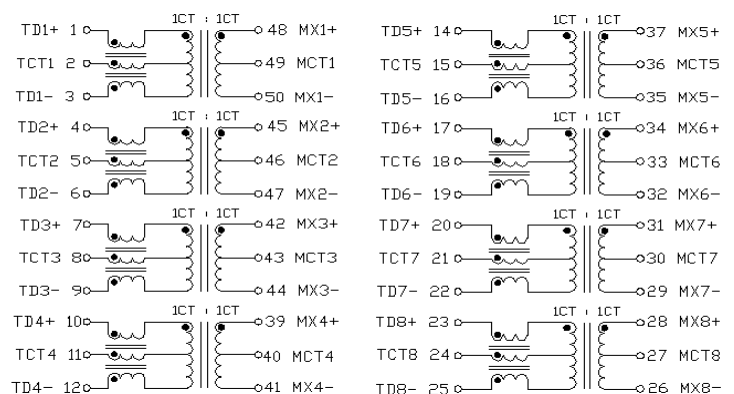
UNIT: mm(inch)
Unless otherwise specified
all tolerances are $\pm 0.25(0.010)$

SCHEMATIC

GS5002SIB



GS5006SIB



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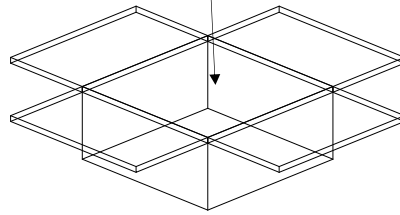
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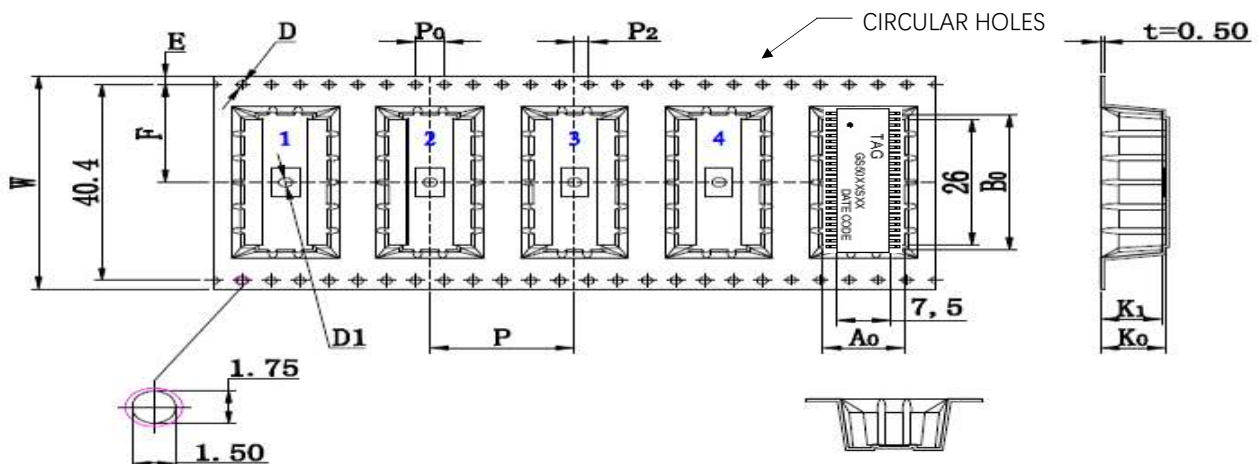
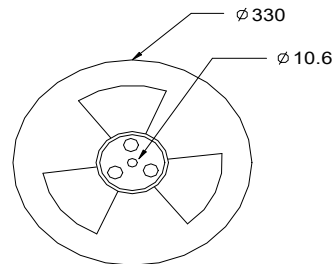
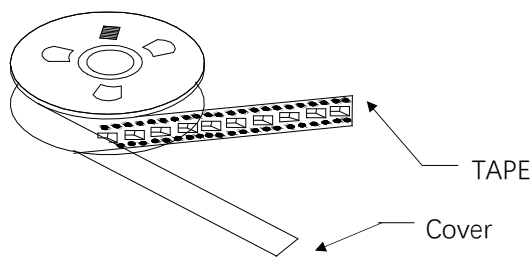
PACKAGE CRITERION

1.Export Carton: 350*350*230

4PCS inner carton



2.Reel:



ITEM	W	A ₀	B ₀	K ₀	K ₁	P	F	E	D	D ₁	P ₀	P ₂
DIM	44.0 ^{+0.30} _{-0.30}	11.35 ^{+0.10} _{-0.10}	27.9 ^{+0.10} _{-0.10}	9.00 ^{+0.10} _{-0.10}	8.45 ^{+0.10} _{-0.10}	20.0 ^{+0.10} _{-0.10}	20.2 ^{+0.10} _{-0.10}	1.75 ^{+0.10} _{-0.10}	1.50 ^{+0.10} _{-0.10}	2.00 ^{+0.25} _{-0.00}	4.00 ^{+0.10} _{-0.10}	2.00 ^{+0.10} _{-0.10}
ALTERNATE												

units: m/m

3.Package Quantity:

One Reel=350Pcs

One Export carton =1400Pcs

4.MSL LEVEL: 1

5.Piece weight: 2.64±10% Grams

6.Country of origin: Made in China

7.STORAGE TIME LIMITED : 12 MONTHES FROM SHIPPING

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