100/1000 BASE-TX Transformer Modules

Meisongbei

- Meets IEEE802.3 and ANSIX3.263 standards
- LL: 0.5uH Max; DCR: 1.2Ω Max; Cw/w: 35PF TYP
- Operating Temp:-40°C to +85°C
- Storage Temp:-55°C to +125°C

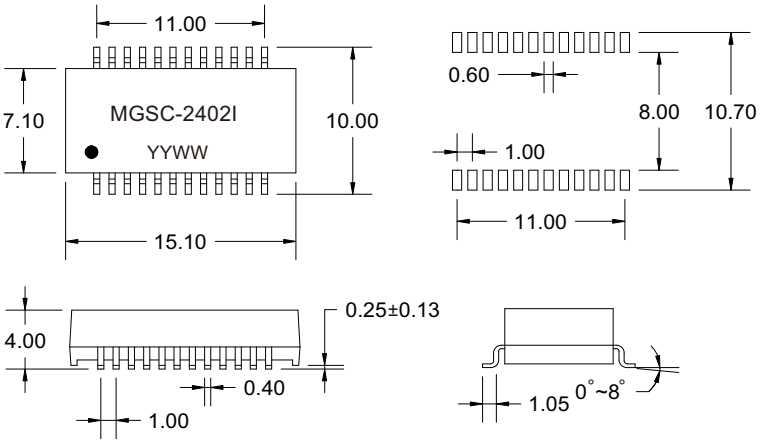
Electrical Specifications @25°C

Part Number	OCL(uH Min) @ 100kHz, 0.1Vrms	Turns Ratio chip: cable (±5%)	Insertion Loss (dB Max)	Return Loss (dB Min)			
	With 8mA DC Bias		1-100MHz	1-30MHz	40MHz	50MHz	60-100MHz
MGSC-2402I	350	1CT:1CT(TX)/1CT:1CT(RX)	-1.2 Max	-18	-14.4	-13.1	-12

Electrical Specifications @25°C

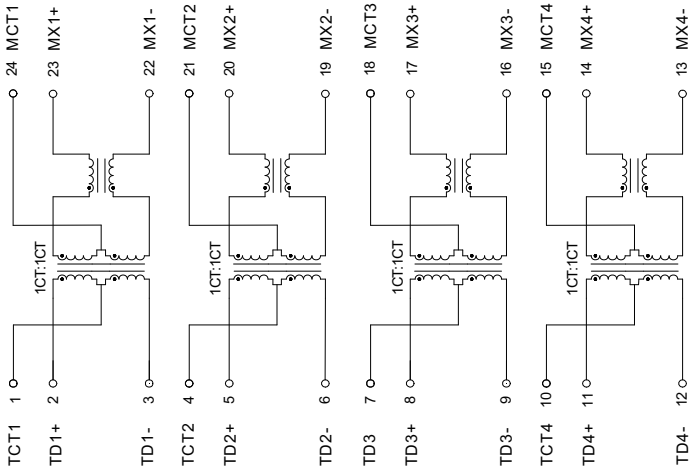
Part Number	Common Mode Rejection (dB Min)			Cross Talk (dB Min)			Isolation HI-POT (Vrms) 60S
	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	
MGSC-2402I	-40	-35	-30	-45	-40	-35	1500

MECHANICAL

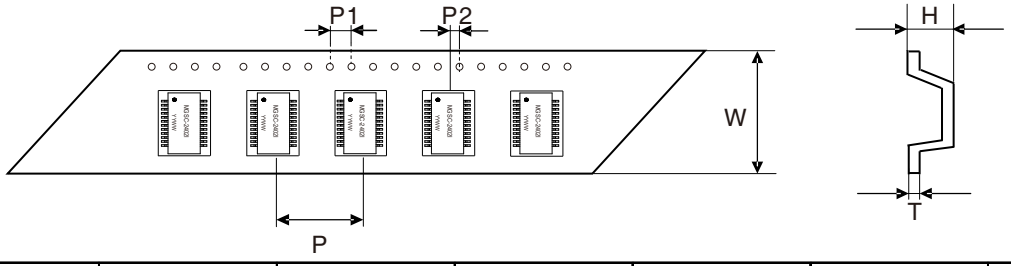


Dimensions: mm
Unless otherwise specified, all tolerances are±0.25

SCHEMATICS

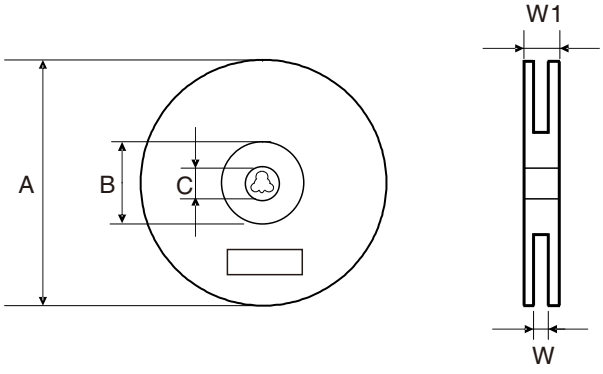


PACKAGE



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.2	±0.1	±0.2	±0.05	±0.01	±0.05
MGSC-2402I		24.0	16.0	4.00	2.00	4.50	0.40



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W	W1
	Tolerance	Pcs	±2.0	min	±0.5	±0.3	±3.0
MGSC-2402I		800	330	100	13	24.0	30.0