10/100/1000 Base T Gigabit Dual Port Transformer

Meisongbei

- LL: 0.5uH Max @ 100KHz, 200mV
- DCR: 1.4Ω Max
- Cw/w: 25PF TYP @ 100KHz, 200mV
- Operating Temp: 0°C to +70°C

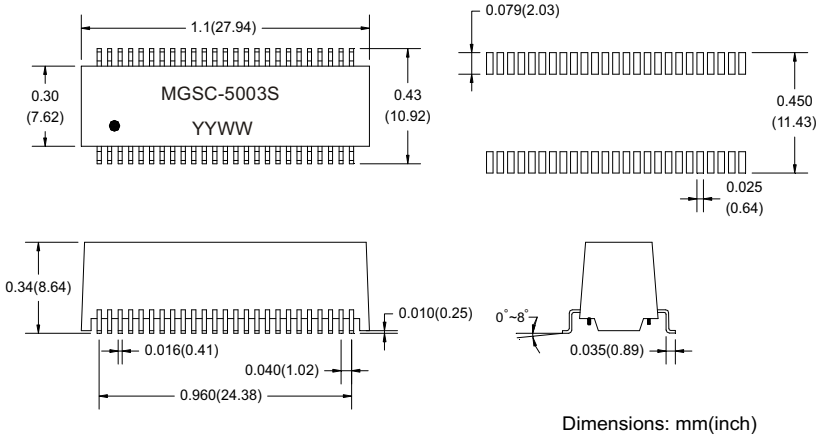
Electrical Specifications @25°C

Part Number	OCL(uH Min) @ 100kHz, 0.2V	Turns Ratio chip: cable (±5%)	Insertion Loss (dB Max)	Return Loss (dB Min)			
	With 8mA DC Bias		1-100MHz	1-40MHz	60MHz	80MHz	100MHz
MGSC-5003S	350	1CT:1CT(TX)/1CT:1CT(RX)	-1.1	-18	-14	-12	-10

Electrical Specifications @25°C

Part Number	Cross Talk (dB Min)			Common Mode Rejection (dB Min)	Isolation HI-POT (Vrms)
	30MHz	60MHz	100MHz	1-100MHz	
MGSC-5003S	-40	-35	-30	-30	1500

MECHANICAL



Dimensions: mm(inch)
Unless otherwise specified, all tolerances are±0.25(0.010)

SCHEMATICS

