

# 10/100/1000 Base T Gigabit Dual Port Transformer

- Polarity: 1-50, 4-47, 7-44, 10-41, 14-37, 17-34, 20-31, 23-28 In-Phase
- LL: 0.5uH Max @ 100KHz, 200mV
- DCR: 0.9Ω Max
- Cw/w: 25PF TYP @ 100KHz, 200mV
- Operating Temp: 0°C to +70°C

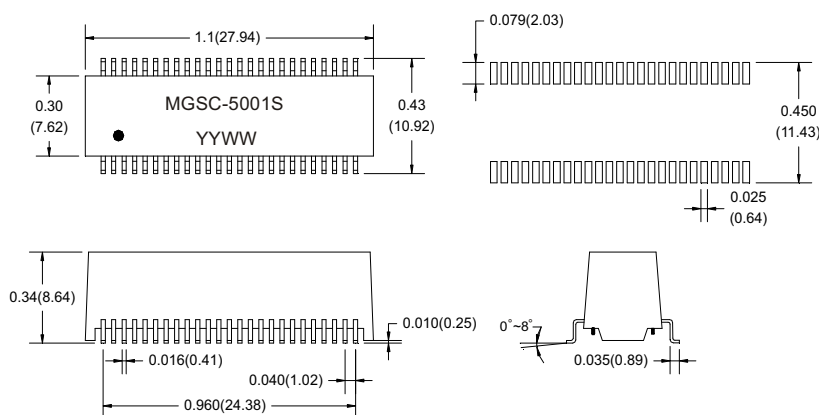
## ▶ Electrical Specifications @25°C

Part Number	OCL(uH Min) @ 100kHz, 0.2V With 8mA DC Bias	Turns Ratio chip: cable (±5%)	Insertion Loss (dB Max)		Return Loss (dB Min)		
			1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz
MGSC-5001S	350	1CT:1CT(TX)/1CT:1CT(RX)	-1.1	-18	-15	-13	-12

## ▶ Electrical Specifications @25°C

Part Number	Cross Talk (dB Min)			Common Mode Rejection (dB Min)	Isolation HI-POT (Vrms)60S
	30MHz	60MHz	100MHz	1-100MHz	
MGSC-5001S	-40	-35	-30	-40	1500

## ▶ MECHANICAL



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

## ▶ SCHEMATICS

