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

Meisongbei

- 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

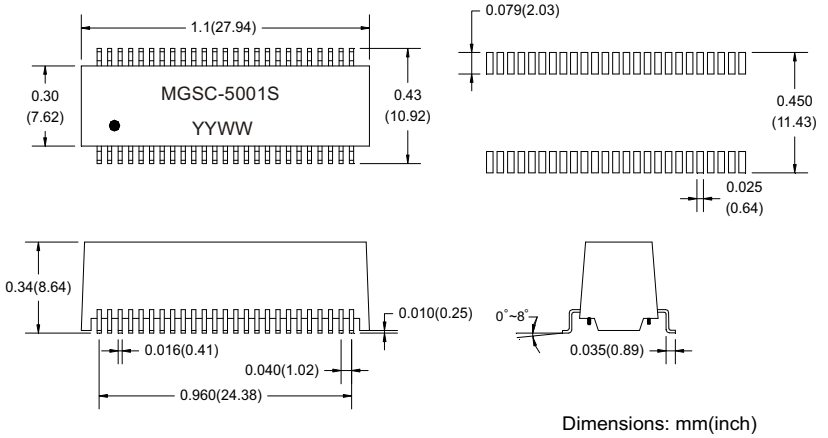
## Electrical Specifications @25°C

| 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

