100/1000 Base T Gigabit Single Port Transformer

Meisongbei

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

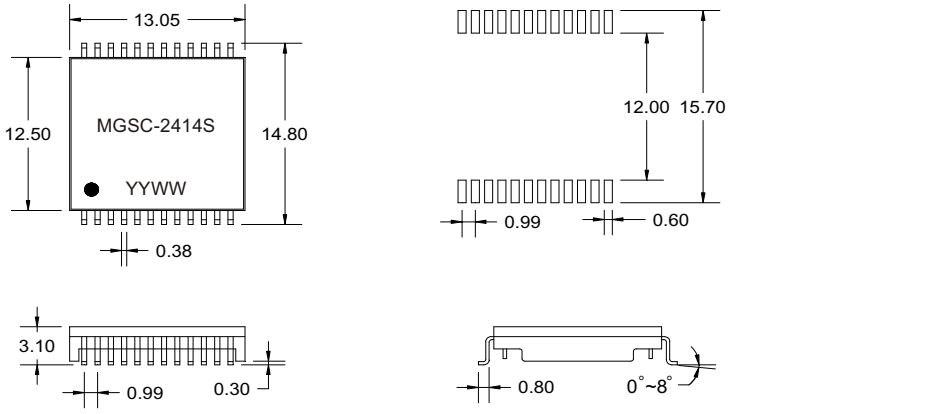
Electrical Specifications @25°C

Part Number	OCL(uH Min) @ 100kHz, 200mV	Turns Ratio chip: cable (±5%)	Insertion Loss (dB Max)	Return Loss (dB Min)			
	With 8mA DC Bias		1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz
MGSC-2414S	350	1CT:1CT(TX)/1CT:1CT(RX)	-1.2	-16	-14	-13.5	-12

Electrical Specifications @25°C

Part Number	Common Mode Rejection (dB Min)			Cross Talk (dB Min)		Isolation HI-POT (Vrms)
	30MHz	60MHz	100MHz	30MHz	60-100MHz	
MGSC-2414S	-40	-30	-25	-45	-35	1500

MECHANICAL



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

SCHEMATICS

