100/1000 BASE-T Gigabit Single Port Transformer

Meisongbei

- LL: 0.5uH Max @ 100KHz, 200mV
- DCR: 0.9Ω Max
- Cw/w: 25PF TYP @ 100KHz, 200mV
- Operating Temp: 0°C to +70°C

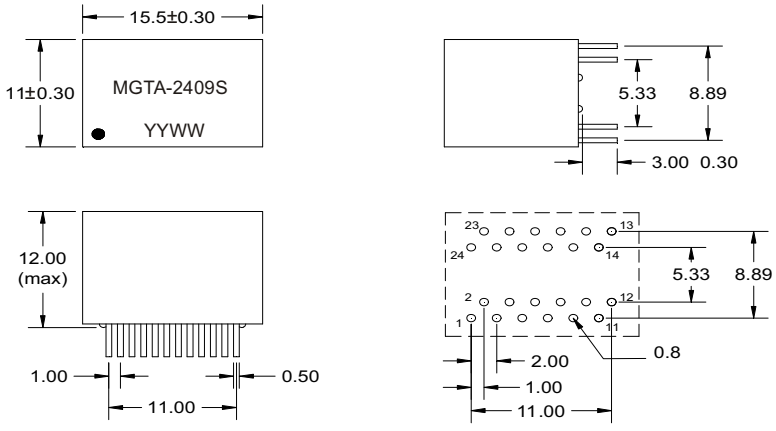
Electrical Specifications @25°C

Part Number	OCL(uH Min) @ 100kHz, 200mV 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
MGTA-2409S	350	1CT:1CT	-1.1	-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)
	30MHz	60MHz	80-100MHz	30MHz	60-100MHz	
MGTA-2409S	-40	-35	-30	-35	-30	1500

MECHANICAL



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

SCHEMATICS

