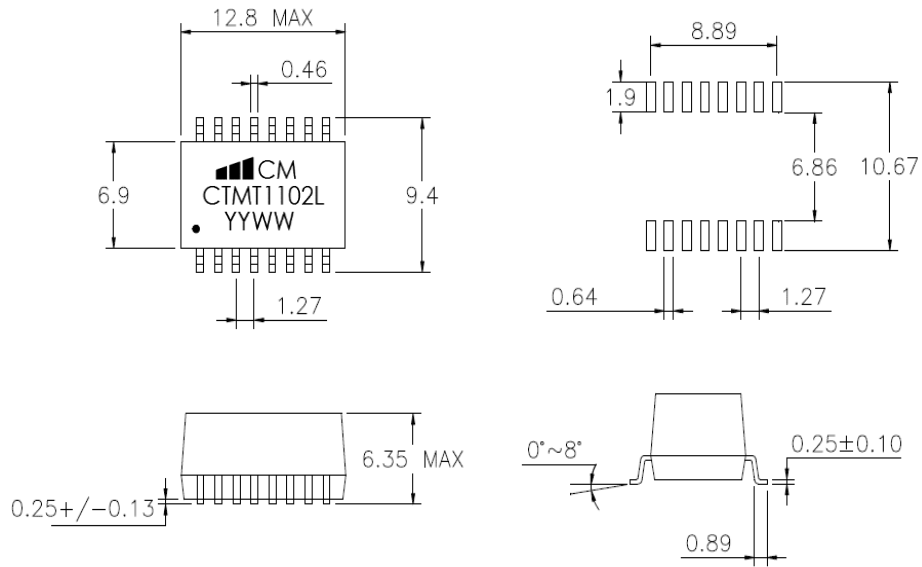


10/100/1000 BASE-T SINGLE TRANSFORMER MODULES

RoHS Compliant

Mechanicals:

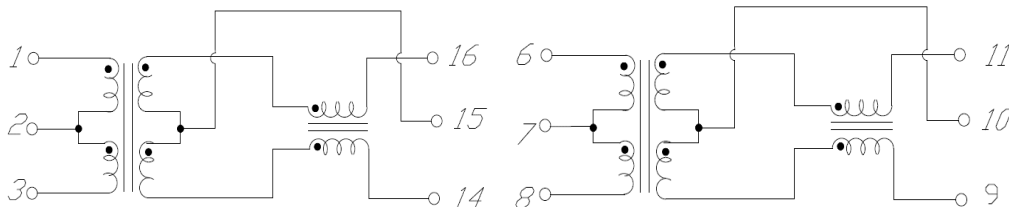


SUGGESTED PCB PAD LAYOUT

Electrical Specifications: @25°C

- OCL : 350 uH Min. @ 100 kHz, 100 mV with 8 mA DC Bias
- Leakage Inductance : 0.5 uH MAX. @ 100 kHz, 0.1 V
- Cw/w : 30 pF Max. @ 100 kHz, 0.1 V
- DCR : 1.30 Ω Max.
- Turns Ratio (±5%) : 1CT:1CT(TX), 1CT:1CT(RX)
- Insertion Loss : -1.1 dB Max. @ 1-100 MHz
- Return Loss : -16 dB Min. @ 1-30 MHz
 - 12 dB Min. @ 60 MHz
 - 10 dB Min. @ 80 MHz
- Cross Talk : -42 dB Min. @ 1-30 MHz
 - 40 dB Min. @ 60 MHz
 - 38 dB Min. @ 80-100 MHz
- Common Mode Rejection : -42 dB Min. @ 1-30 MHz
 - 40 dB Min. @ 60 MHz
 - 35 dB Min. @ 80-100 MHz
- Isolation HI-POT : 1500 Vrms, 1mA, 1 Second

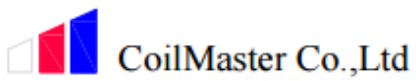
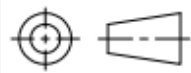
Schematics:



www.coilmaster.com

Modify Note:
1.Original

*Specification Subject to Change Without Notice

	P/N: CTMT1102L	DIMENSIONS IN MM SCALE: NONE		Unless otherwise specified Dim. Tolerances are: .xx0.25	Ver: A	DRWN: jason DATE: 2012/4/21
	TEL: +82-31-904-1444 FAX: +82-31-909-8204 E-mail:Coilmaster@Coilmaster.com				Page: 1/1	CHKD: zouhui DATE: 2012/4/21
					APPD: JARLY DATE: 2012/4/21	