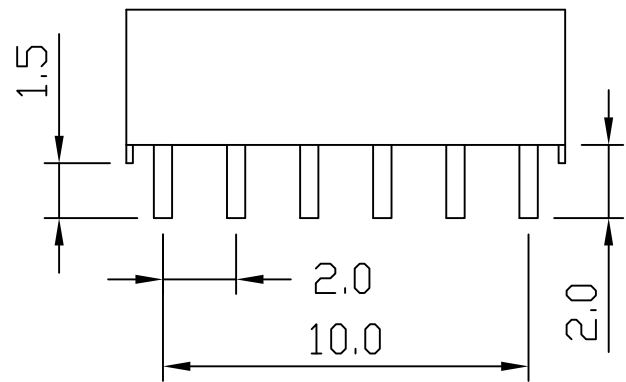
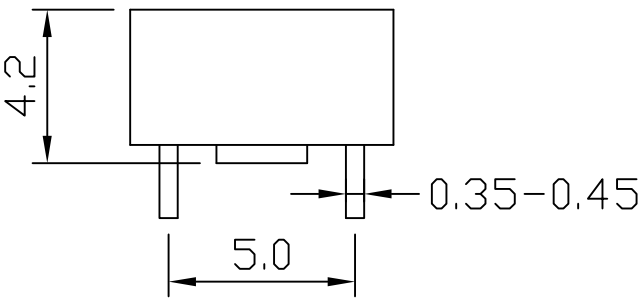


Mechanical :

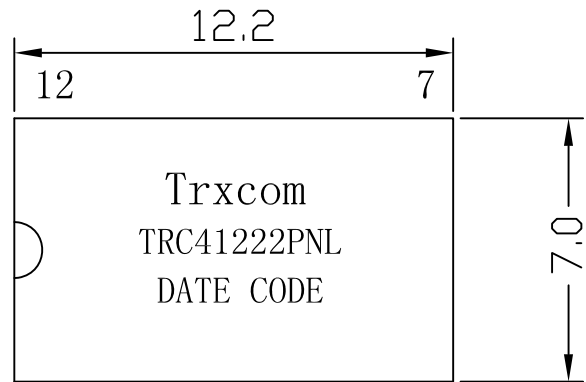
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/12/27	



FRONT VIEW



SIDE VIEW



TOP VIEW

- NOTES:
- 1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
 - 2. With various Turns Ratios.
 - 3. RoHS "NL" peak solder rating 260°C.
 - 4. UL Certification: File Number E321120

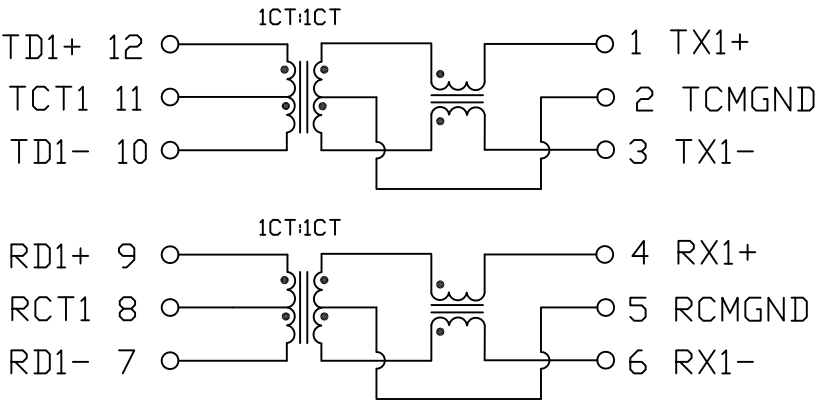
Dimensions: mm
Unless otherwise specified, all tolerances are ± 0.25



X:X	APPD:	Trxcom ShenZhen Trxcom Electronics Co., ltd		
X:XX	CHKD:			
X:XXX	DR: C. H. Y	TITLE: 10/100 Base-T Single Port Transformer Modules		
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: TRC41222PNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: TRC14122701

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/12/27	



ELECTRICAL SPECIFICATIONS @25℃

- 1. Turn Ratio($\pm 3\%$):
TX=1CT : 1CT RX=1CT : 1CT
- 2. Inductance OCL: 350uH Min
@100KHz, 100mV, 8mADC
- 3. Leakage Inductance: 0.4uH Max @100KHz 100mV
- 4. Cww: 20pF Typ @100KHz 100mV
- 5. DC Resistance(7-9, 10-12): 0.90Ω Max
- 6. Insertion Loss:
0.1~80MHz:-1.1dB Max
- 7. Return Loss(dB Min):
1~30MHz:-18 30~80MHz:-12
- 8. Crosstalk:
1~100MHz:-40dB Typ
- 9. CMRR:
30~100MHz:-35dB Min
- 10. Isolation Voltage(Input to Output): 1500Vrms
- 11. Operating Temperature: 0℃~70℃.



X:X	APPD:	Trxcom		
X:XX	CHKD:	ShenZhen Trxcom Electronics Co.,ltd		
X:XXX	DR: C. H. Y	TITLE: 10/100 Base-T Single Port Transformer Modules		
ANGLES ±1°	UNIT: mm	PART NO. : TRC41222PNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : TRC14122701