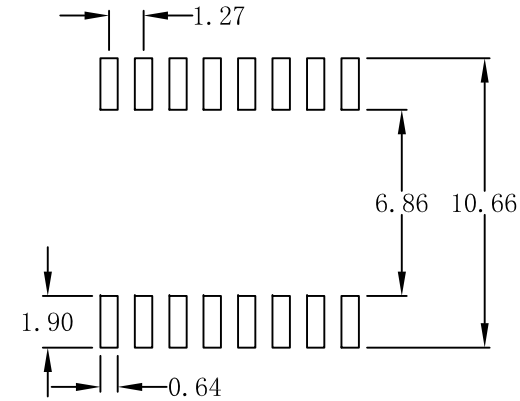
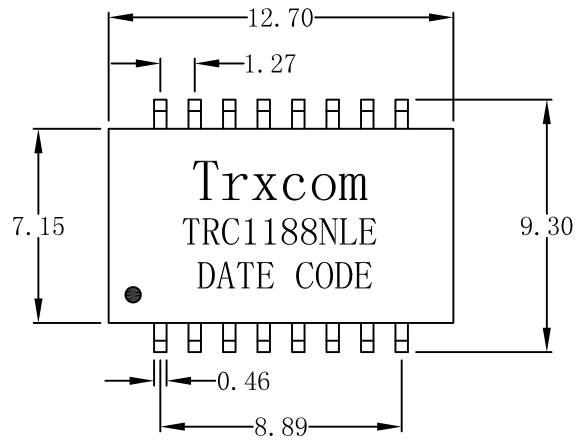
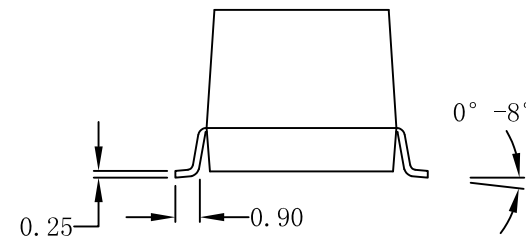
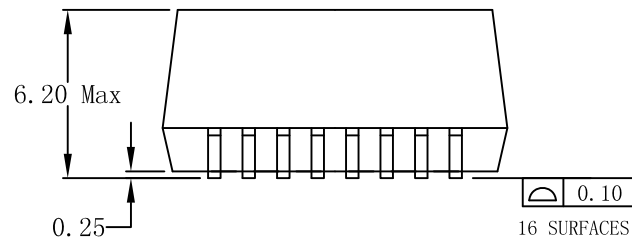


# Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-29	



SUGGESTED PAD LAYOUT



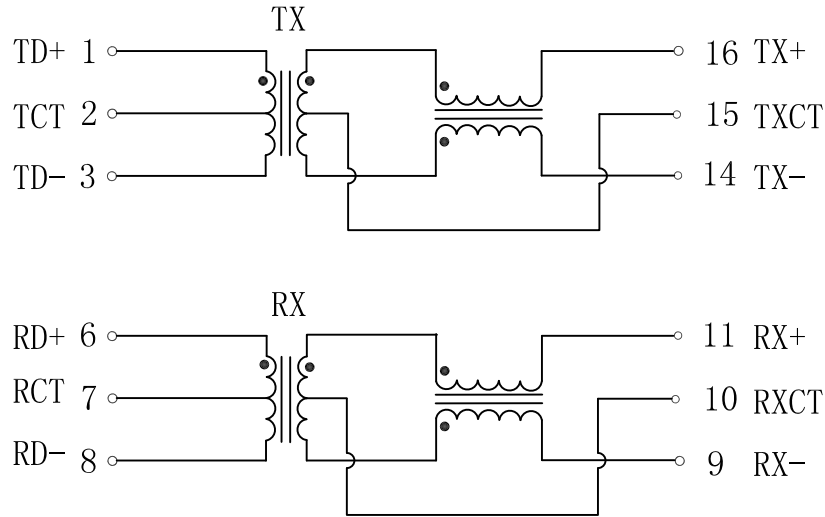
## NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification.
3. Maximum reflow temperature is 245°C, 5 Sec.
4. Peak solder rating 250°C, 5 Sec.
5. UL certification: file number E321120

X:X	APPD:	<b>Huizhou TRXCOM Electronics Co., LTD</b>		
X:XX ±0.25	CHKD:	TITLE: 10/100Base-T Single Port Transformer Modules		
X:XXX	DR: GRANT	PART NO.: TRC1188NLE		
ANGLES ±1°	UNIT: mm	REV: A DWG NO.: TRC15052911		
	SCALE: 2/1	SHEET: 1/4	REV: A	DWG NO.: TRC15052911

# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-29	



## ELECTRICAL SPECIFICATIONS @25°C

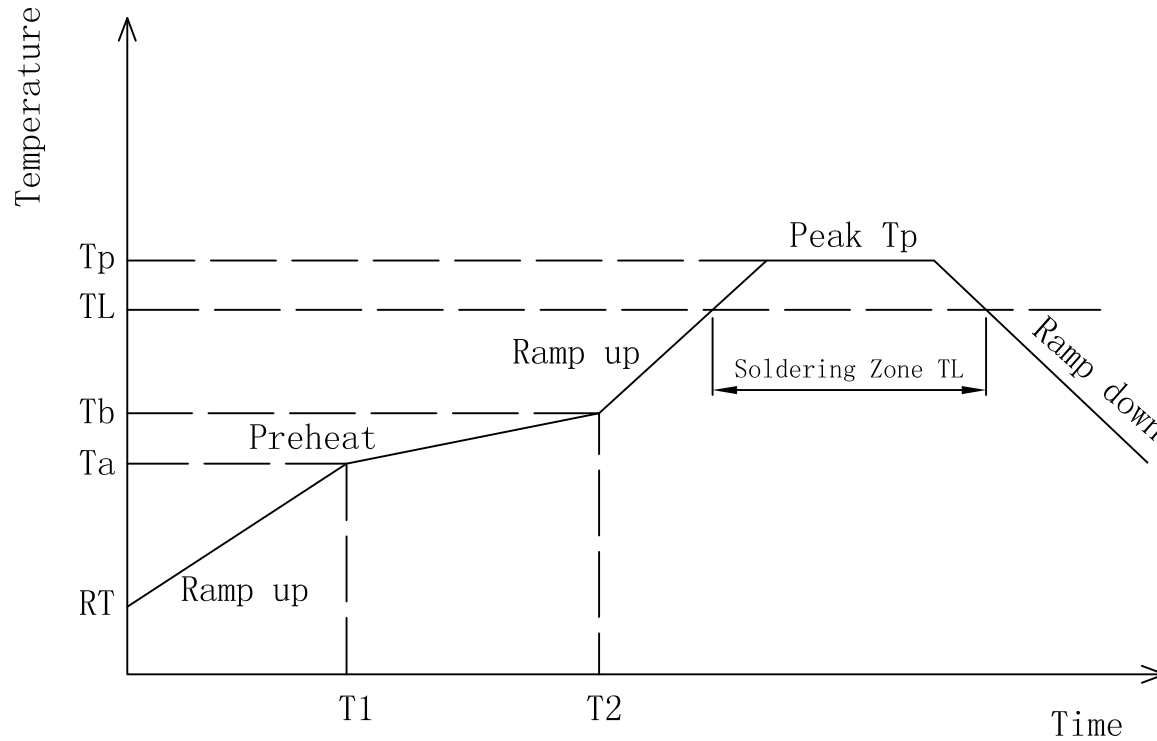
- Turn Ratio ( $\pm 3\%$ ):  
TX=1CT:1CT      RX=1CT:1CT
- Inductance OCL:  
350uH MIN @100KHz 0.1V 8mA DC Bias
- Insertion Loss:  
-1.1dB MAX @1-100MHz
- Return Loss:  
-16dB MIN @1-30MHz  
-12dB MIN @30-60MHz  
-10dB MIN @60-100MHz
- Cross talk:  
-40dB MIN @1-30MHz  
-35dB MIN @30-60MHz  
-30dB MIN @60-100MHz
- Common Mode Rejection:  
-30dB MIN @1-50MHz  
-20dB MIN @50-150MHz
- Rated power: 1VA.
- Hipot Test: 1500Vrms
- Operating Temperature Range:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ .  
**Operating voltage: 3.3-5V**  
**Current: 350mA**



X:X	APPD:	<b>Huizhou TRXCOM Electronics Co., LTD</b>		
X:XX $\pm 0.25$	CHKD:	TITLE: 10/100Base-T Single Port Transformer Modules		
X:XXX	DR: GRANT	PART NO.: TRC1188NLE		
ANGLES $\pm 1^{\circ}$	UNIT: mm	REV: A    DWG NO.: TRC15052911		
	SCALE: 2/1	SHEET: 2/4		

# IR Reflow:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-29	



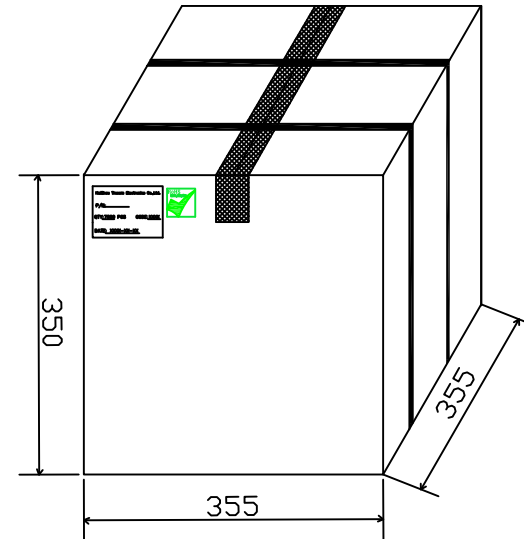
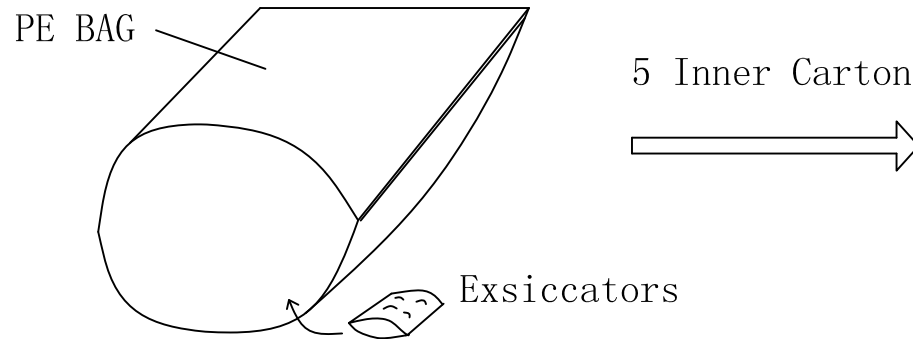
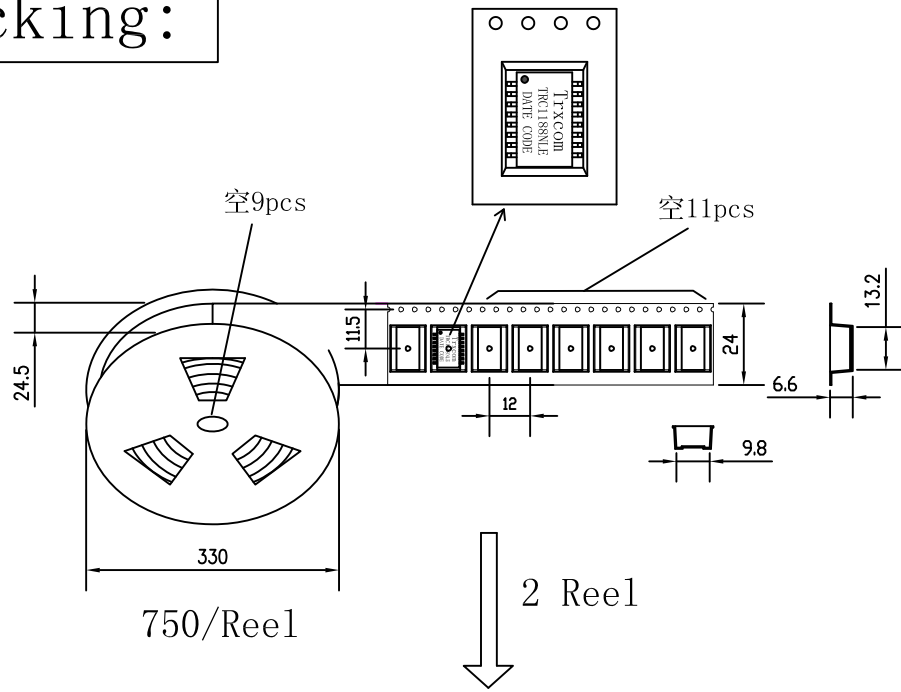
- ◆ Preheat:  
Temperature (Ta-Tb) : 150-200°C  
Time (t1-t2) : 60-180s
- ◆ Holding Temperature: 217°C  
Time (TL) : 60-150s
- ◆ Max Temperature (Tp) : 245 (+0/-5°C)  
Max Time (Tp) : 30s
- ◆ The average speed: 3°C/S Max  
The average cooling speed: 6°C/S Max
- ◆ From 25°C to Products out of the furnace: 6 minutes Max



X:X	APPD:	<b>Huizhou TRXCOM Electronics Co., LTD</b>		
X:XX ±0.25	CHKD:	TITLE: 10/100Base-T Single Port Transformer Modules		
X:XXX	DR: GRANT	PART NO. : TRC1188NLE		
ANGLES ±1°	UNIT: mm			
	SCALE: 2/1	SHEET: 3/4	REV: A	DWG NO. : TRC15052911

# Packing:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
B	REL		2015-05-29	



- ◆ Packaging unit: 750pcs/reel
- ◆ Packaging way: Carrier tape
- ◆ Outer carton unit: 7500pcs/5 Inner Carton/box
- ◆ Net Weight: 4.5 kg
- ◆ Gross Weight: 9 kg

X:X	APPD:	<b>Trxcom</b> Huizhou TRXCOM Electronics Co., LTD
X:XX ±0.25	CHKD:	
X:XXX	DR: GRANT	TITLE: 10/100Base-T Single Port Transformer Modules
ANGLES ±1°	UNIT: mm	PART NO.: TRC1188NLE
	SCALE: 2/1	SHEET: 4/4
	REV: A	DWG NO.: TRC15052911