



# Networking Communication Components

## RT Series

### **LAN Transformer**

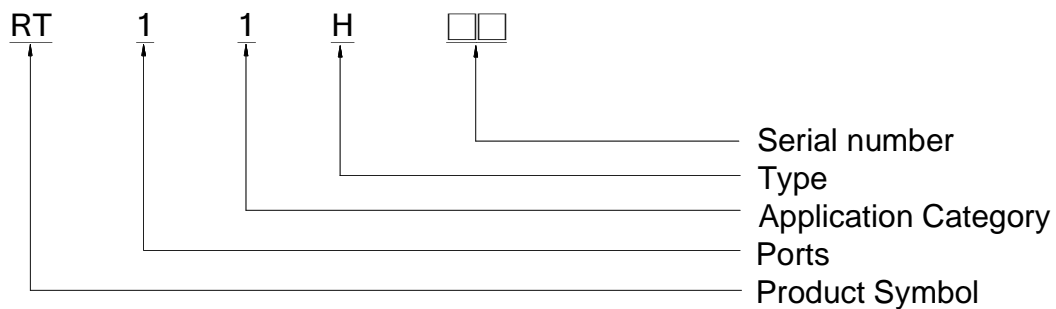
Part number: RT11H07

Part name :10/ 100 Transformer Single Port

### **Feature**

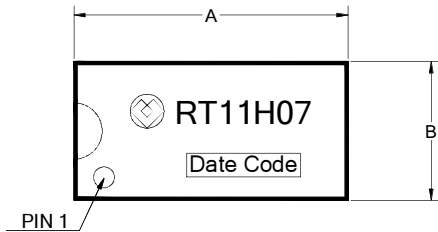
- Compliant and peak reflow temperature rating 245°C .
- Meets IEEE802.3 specification.
- Excellent common mode noise suppression.
- Packaging specification is tube.  
(RT11H□□ : Tube)

### **Part number code**

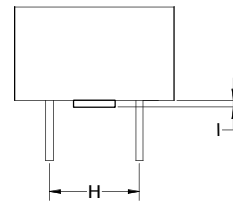
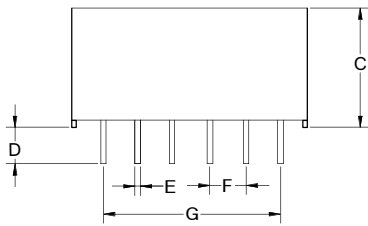
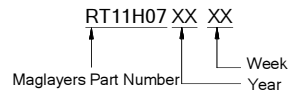


REV.	Description	Date	Drawn	Designed	Approved
A	Specification issued	03.13.2013	Yuxuan.Xiang	Yuxuan.Xiang	James.Cheng

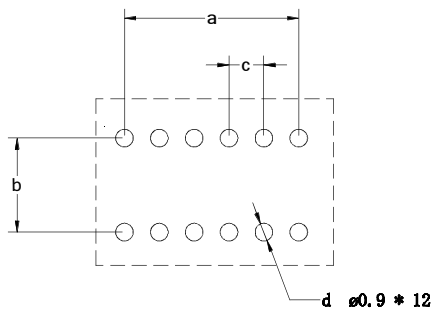
## Mechanical Dimension and Marking



UNIT	mm	inch
A	12.24 +0.254/-0.254	0.482 +0.010/-0.010
B	7.20 +0.254/-0.254	0.283 +0.010/-0.010
C	4.20 +0.254/-0.254	0.165 +0.010/-0.010
D	2.50 +0.254/-0.254	0.098 +0.010/-0.010
E	0.50 +0.127/-0.127	0.020 +0.005/-0.005
F	2.00 +0.127/-0.127	0.079 +0.005/-0.005
G	10.00 +0.254/-0.254	0.394 +0.010/-0.010
H	5.50 +0.254/-0.254	0.217 +0.010/-0.010
I	0.50 +0.127/-0.127	0.020 +0.005/-0.005



## Suggested Land Pattern

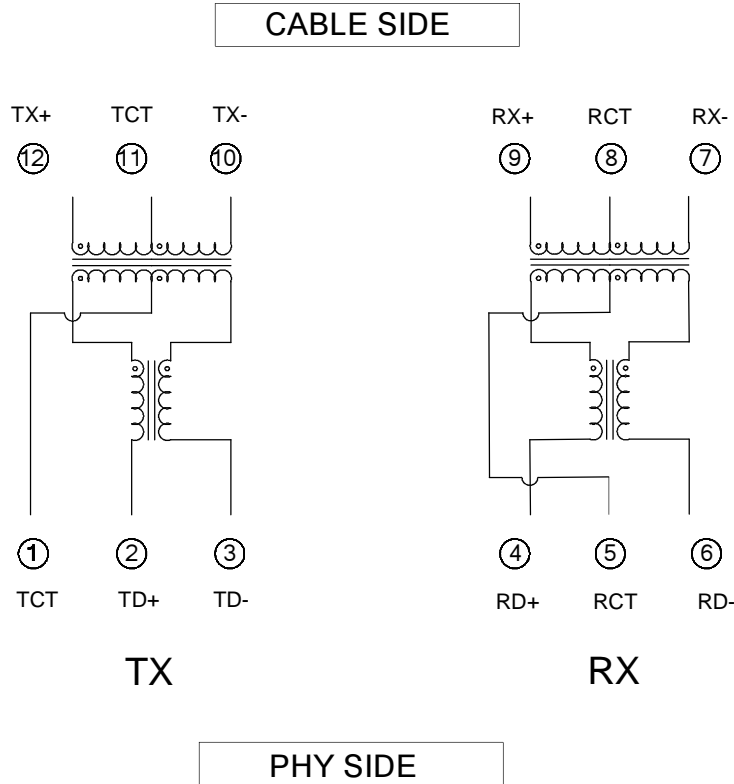


UNIT	mm	inch
a	10.00	0.394
b	5.50	0.217
c	2.00	0.079
d	$\varnothing 0.90$	$\varnothing 0.035$

Drawn	Yuxuan.Xiang	Designed	Yuxuan.Xiang	Approved	James.Cheng
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## Schematics

RT11H07



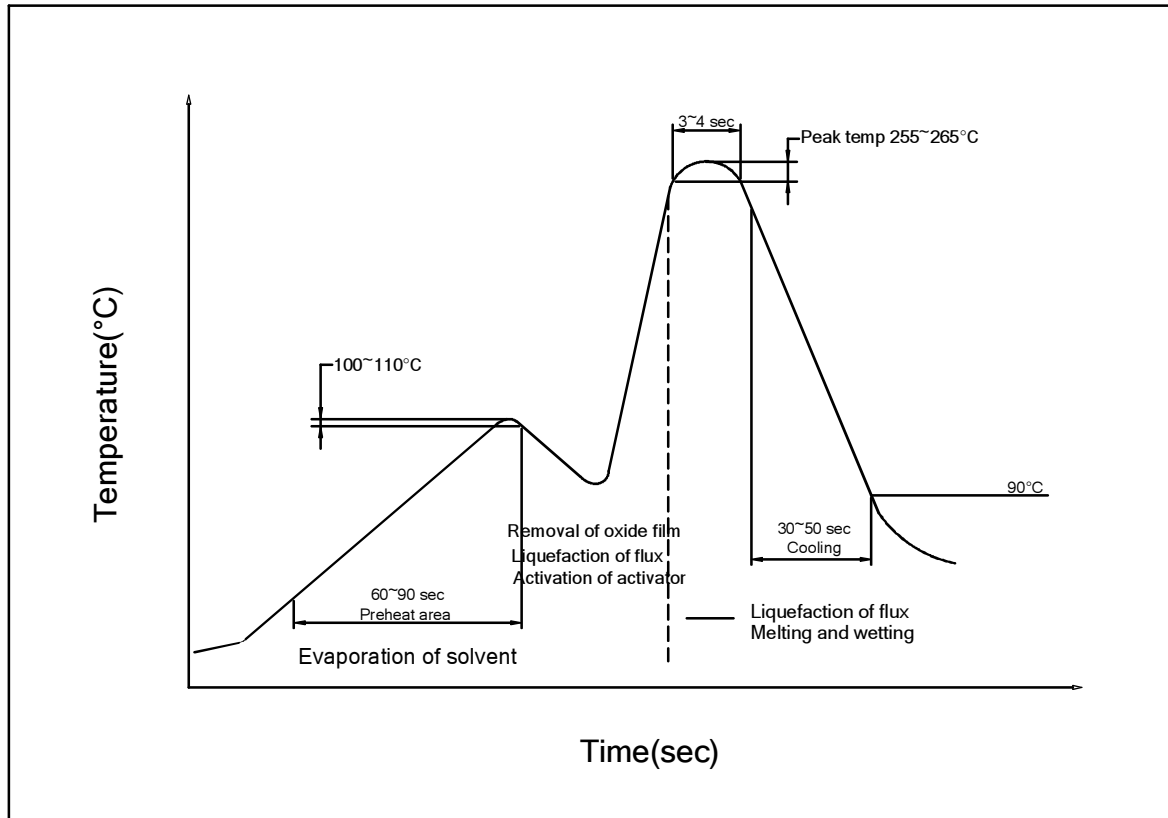
## Electrical Specification @ 25°C, Humidity 65% RH

Inductance @ Phy side(OCL)  
100KHz, 0.1V, 8mA DC Bias  
350uH MIN

Part Number	Turns Ratio		Insertion Loss	Return Loss			DMCR			Crosstalk			Hipot
	100KHz		dB MAX	dB MIN			dB MIN			dB MIN			Vrms, Sec
	TX	RX	1MHz-100MHz	30MHz	60MHz	80MHz	30MHz	50MHz	100MHz	30MHz	60MHz	100MHz	Pri To Sec @60Hz,1mA
RT11H07	1:1±3%	1:1±3%	-1.1	-18	-14	-11.5	-42	-37	-33	-45	-35	-30	1500, 60

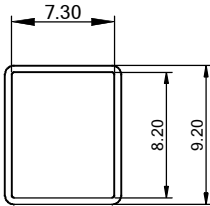
Operating Temperature: 0°C to +70°C.  
Storage Temperature: -25°C to +105°C  
JSDEC Moisture: Level 1.

## Wave Soldering

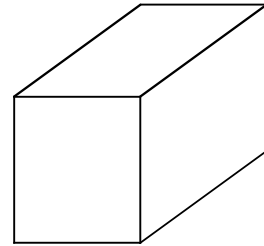
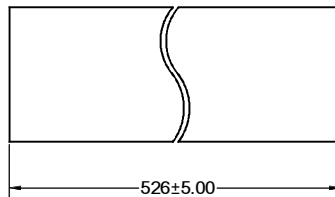


- Tip Temperature :265°C MAX.
- Tip Temperature Time: 4sec MAX.

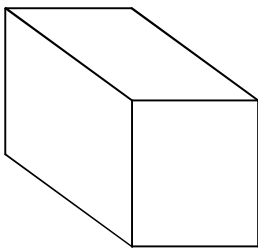
## Package Specification



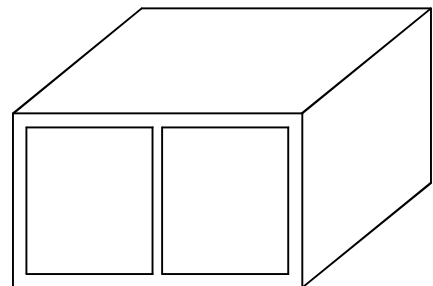
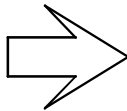
TUBE MECHANICAL DIMENSION  
Units : mm Tolerances : x.x0 ±0.3  
0.xx ±0.1



INNER CARTON : 545 x 120 x 115



2 BOX / CARTON



EXPORT CARTON : 545 x 255 x 125

1. TUBE = 42 PCS
2. INNER CARTON = 120 TUBE =  $120 \times 42$  PCS = 5040 PCS
3. EXPORT CARTON = 2 INNER CARTON =  $2 \times 5040$  PCS = 10080 PCS