LAN Transformer – *SLT161040G241P1B8*

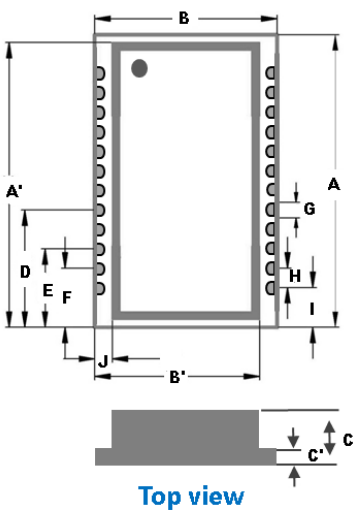
1. Part No. Expression:

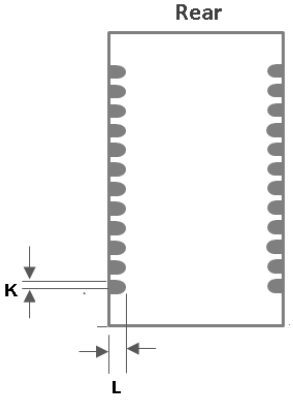
S L T 1 6 1 0 4 0 G 2 4 1 P 1 B 8

(a) (b) (c) (d)(e)(f) (g)

a) Series Code
b) Dimension Code
c) Application Code
d) Pin Code
e) Center Tab
f) Pitch
g) Special Code

2. Configuration & Dimensions:

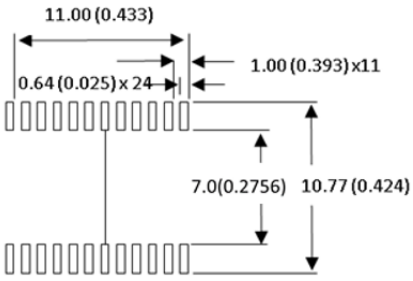


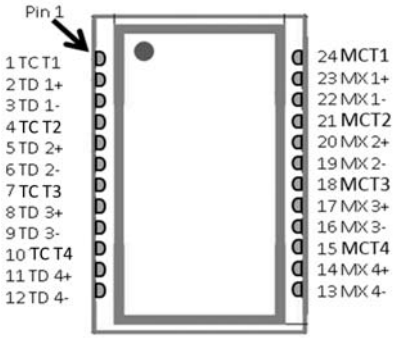


Unit: mm

A	A'	B	B'	C	C'	D	E	F
16.5±0.25	16.0±0.25	10.3±0.25	9.65±0.25	4.1±0.25	0.8±0.05	6.75±0.25	4.75±0.25	3.75±0.25
G	H	I	J	K	L			
0.40±0.05	1.0±0.25	2.75±0.25	0.65±0.05	0.20±0.05	1.0±0.25			

3. PCB Pad & Pin layout:





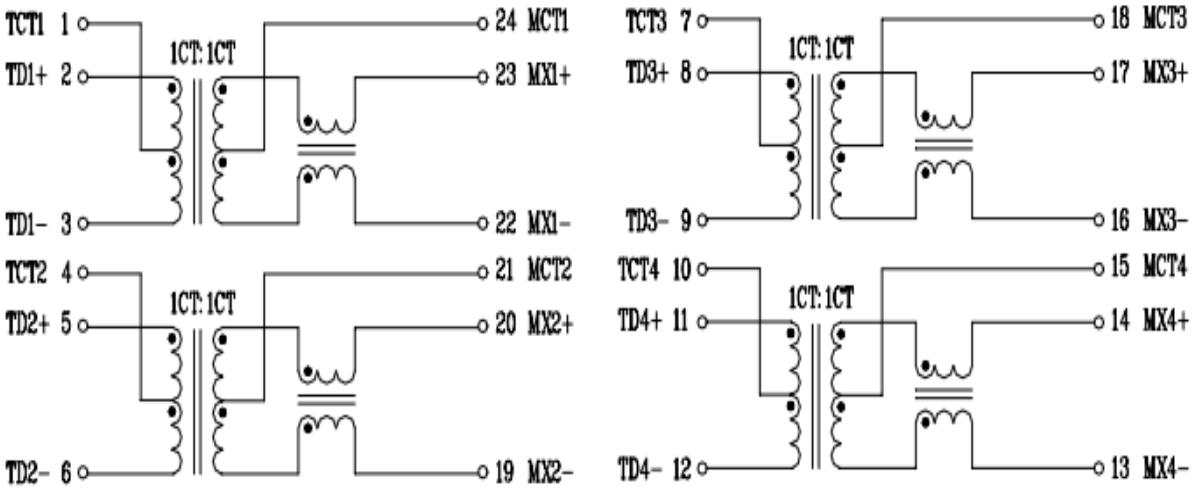
Measurement format: mm/inch

Tolerance: mm (inch) Tolerance: XX.X0 +/-0.25 (0.010)

0.XX +/-0.05 (0.002)

*All tolerance with reference to mm measurements

4. Schematic:



5. General Specification:

(a) Operating Temp.: 0°C to +85°C

(b) Storage Temp.: 0°C to +85°C (on board)

(c) Humidity Range: 85 ± 2% RH

(d) Hi- Pot Resistance Test: 1500 VAC for 1 minute

(e) Storage condition (component in its packaging)

i) Temperature: less than 40°C

ii) Humidity: 60% RH

6. Electrical Characteristics:

Part Number	Insertion Loss (dB Max.)	Return Loss (dB Min.)					Cross Talk (dB Min.)	DCMR (dB Min.)	
SLT161040G241P1B8	1~100MHz	1~30MHz	40MHz	50MHz	60~80MHz	100MHz	1~100MHz	1~60MHz	60~100MHz
	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30

7. Soldering:

Mildly activated rosin fluxes are preferred. Our terminations are suitable for all re-flow soldering systems. If hand soldering cannot be avoided, the preferred technique is the utilization of hot air soldering tools.

7-1 Solder Re-flow:

Recommended temperature profiles for re-flow soldering in Figure 1.

7-2 Soldering Iron (Figure 2):

Products attachment with soldering iron is discouraged due to the inherent process control limitations. In the event that a soldering iron must be employed the following precautions are recommended.

Note :

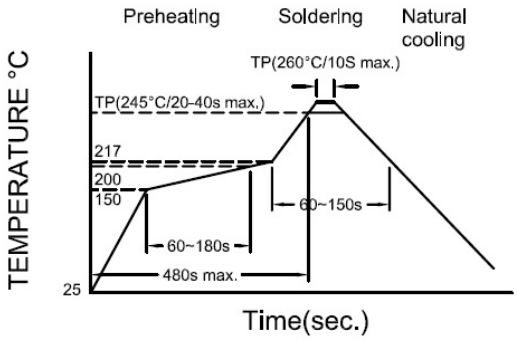
a) Preheat circuit and products to 150°C.

b) 355°C tip temperature (Max.)

c) 1.0mm tip diameter (Max.)

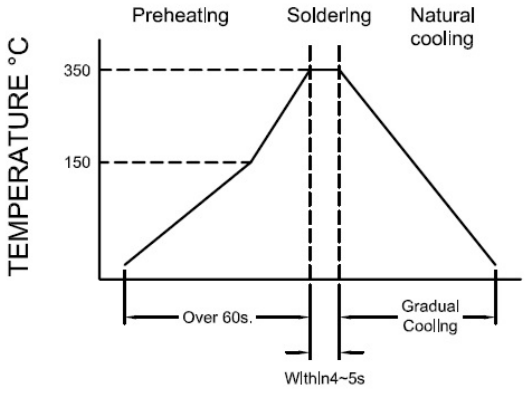
d) Use a 20 watt soldering iron with tip diameter of 1.0mm

e) Limit soldering time to 4~5 secs.



Reflow times: 3 times max

Fig.1



Iron Soldering times: 1 times max

Fig.2