

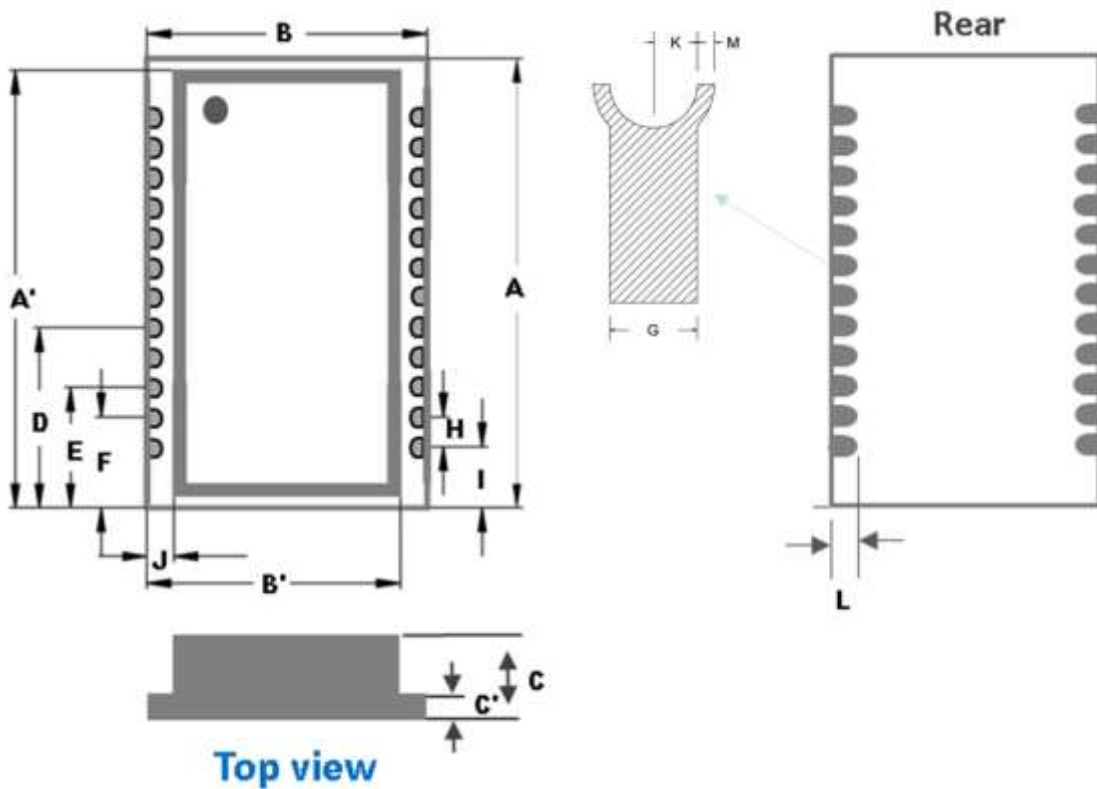
1. Part No. Expression:

SLT171445G241P7B8

(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:

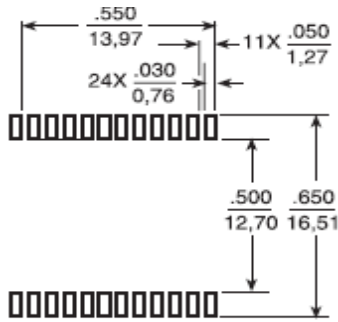


Unit: mm

A	A'	B	B'	C	C'	D	E	F
17.53±0.25	17.03±0.25	14.6±0.25	13.92±0.25	4.5 Max.	1.0±0.25	6.86±0.25	4.32±0.25	3.05±0.25
G	H	I	J	K	L	M		
0.4±0.15	1.27±0.15	1.78±0.25	0.67±0.15	0.2±0.075	1.1±0.15	0.095±0.076		

NOTE: Specifications subject to change without notice. Please check our website for latest information.

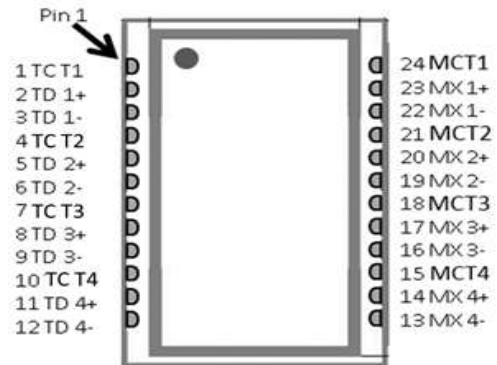
3. PCB Pad & Pin layout:



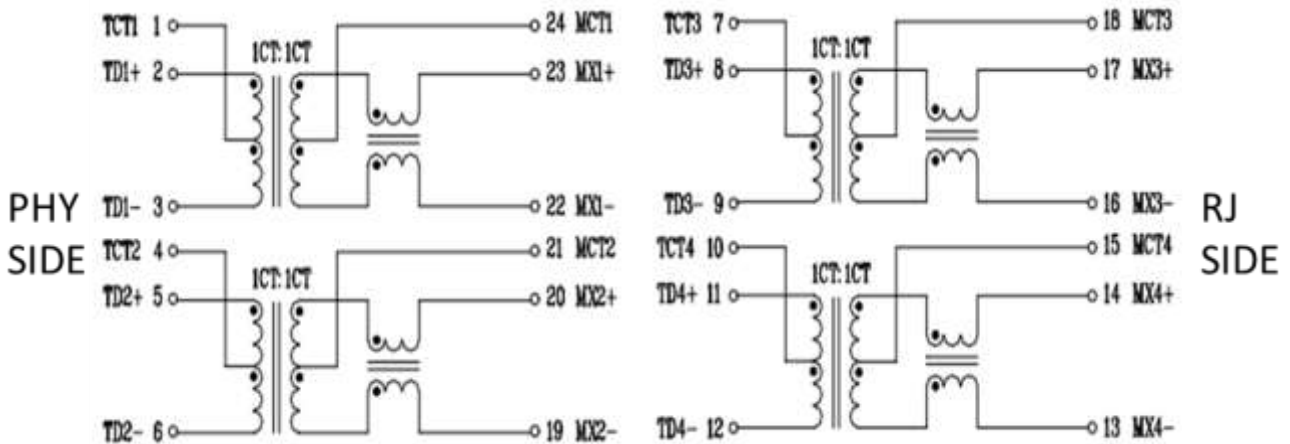
Measurement format: mm/inch

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:



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5. General Specification:

- (a) Operating Temp.: -40°C to +85°C (including self-temperature rise)
- (b) Storage Temp.: -40°C to +85°C (product without taping)
- (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.)	
		1~30MHz	40MHz	50MHz	60~80MHz	100MHz		1~60MHz	60~100MHz
SLT171445G241P7B8	1~100MHz	-18	-14.4	-13.1	-12	-10	-35	-35	-30
	-1.1								

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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 :

- Preheat circuit and products to 150°C.
- 355°C tip temperature (Max.)
- 1.0mm tip diameter (Max.)
- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 4~5 secs.

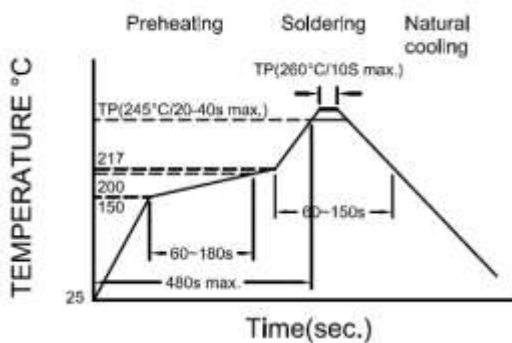


Fig.1

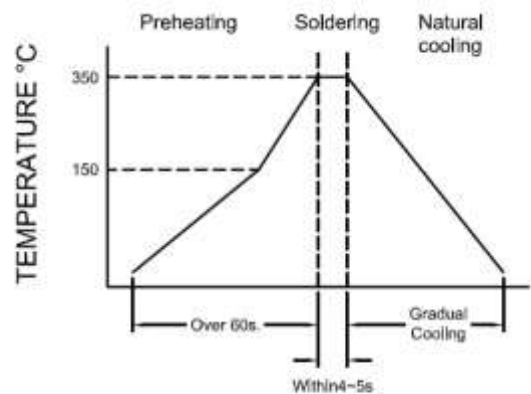
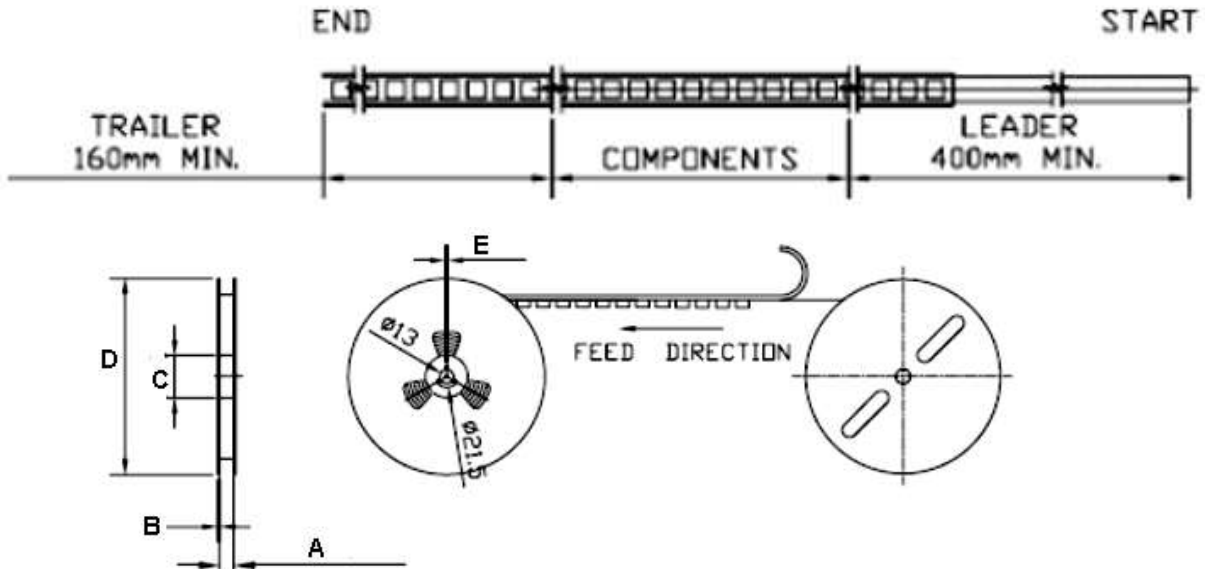


Fig.2

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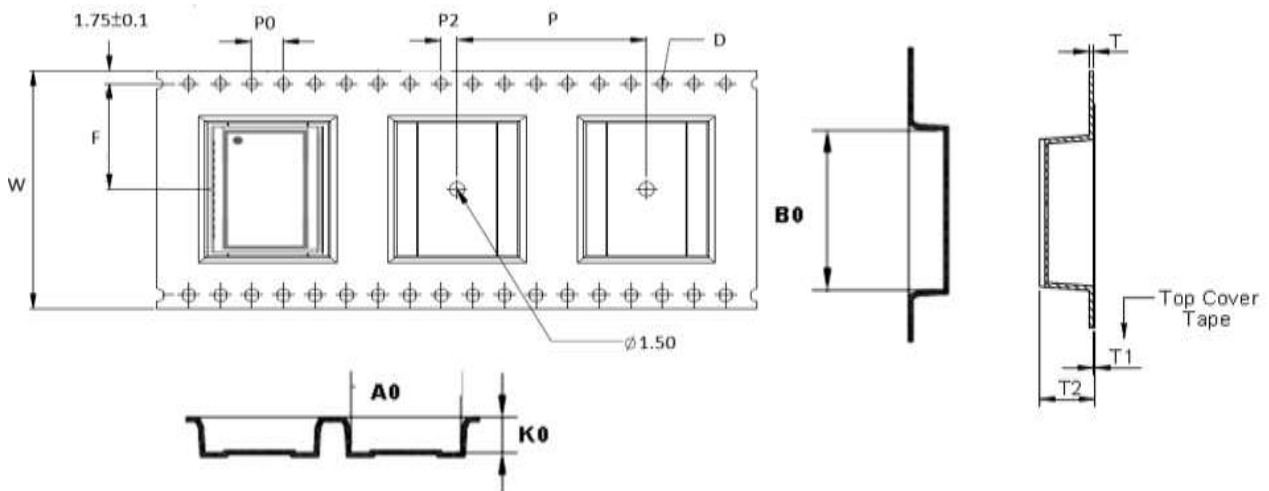
8. Packaging Information:

8-1 Reel Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SLT171445G241P7B8	33.5±2.0	2.0±0.15	φ100	φ330±2	2.5

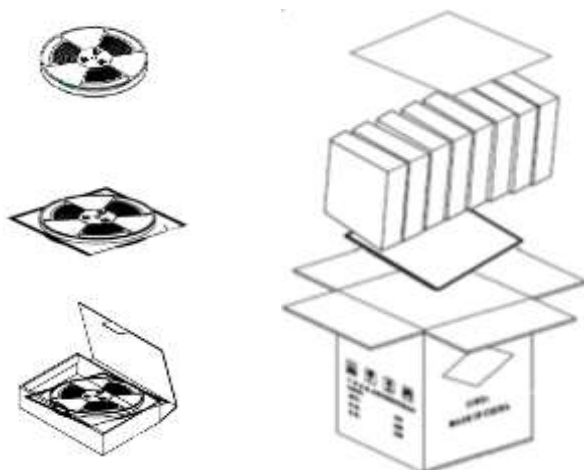
8-2 Tape Dimension



Series	Bo	Ao	Ko	P	Po	P2	W	F	D	T	T1	T2
SLT171445G241P7B8	17.93±0.1	15.3±0.1	4.80±0.1	24.0±0.1	4.0±0.1	2.0±0.1	32±0.3	14.2±0.1	1.5±0.1	0.4±0.05	0.06±0.01	5.6±0.1

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8-3 Packaging Quantity

SLT	171445G241P7B8
Chip / Reel	400
One carton box (8 Reel)	3200

Application Notice:

1. Storage Conditions:

To maintain the solderability of terminal electrodes:

- a) Recommended products should be used within 12 months from the time of delivery.
- b) The packaging material should be kept where no chlorine or sulfur exists in the air.

2. Transportation:

- a) Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- b) Vacuum pick up is strongly recommended for individual components.
- c) Bulk handling should ensure that abrasion and mechanical shock are minimized.

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