

### 1. Part No. Expression:

**SLT128740M165P7A8**

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

a) Series Code

b) Dimension Code

c) Application Code

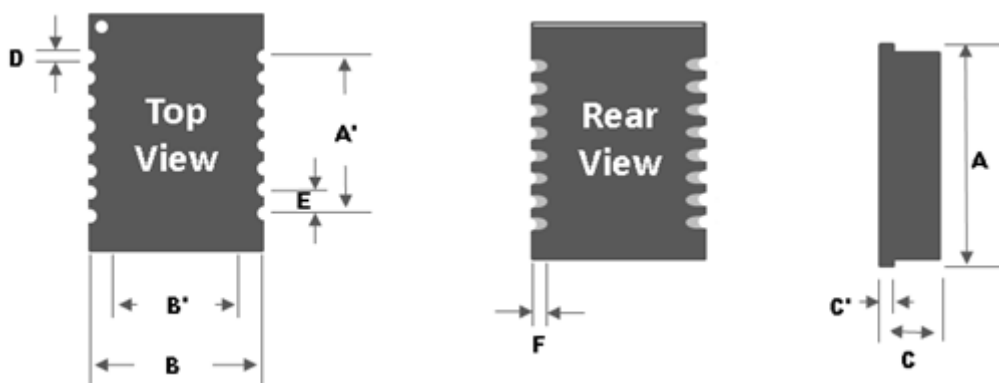
d) Pin Code

e) Center Tab

f) Pitch

g) Special Code

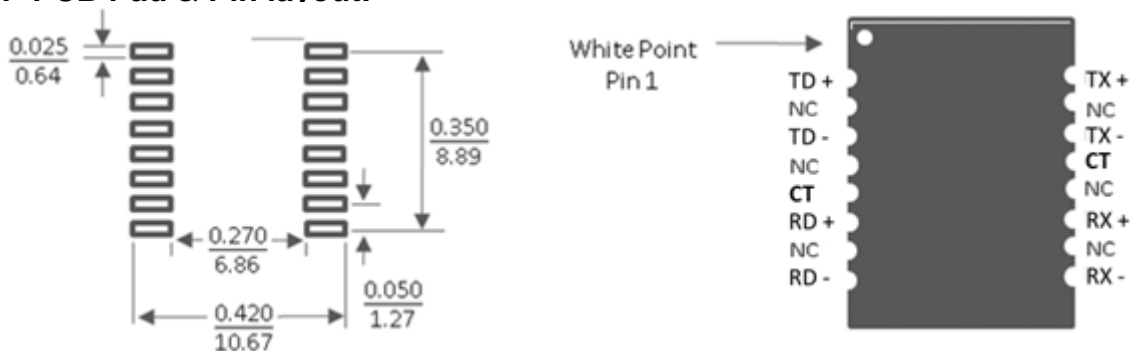
### 2. Configuration & Dimensions:



Unit: mm

A	A'	B	B'	C	C'	D	E	F
12.7±0.25	8.89±0.25	8.67±0.25	7.2±0.25	4.0±0.25	0.8±0.05	0.6±0.1	1.27±0.25	1.00±0.25

### 3. PCB Pad & Pin layout:



Measurement format: mm/inch

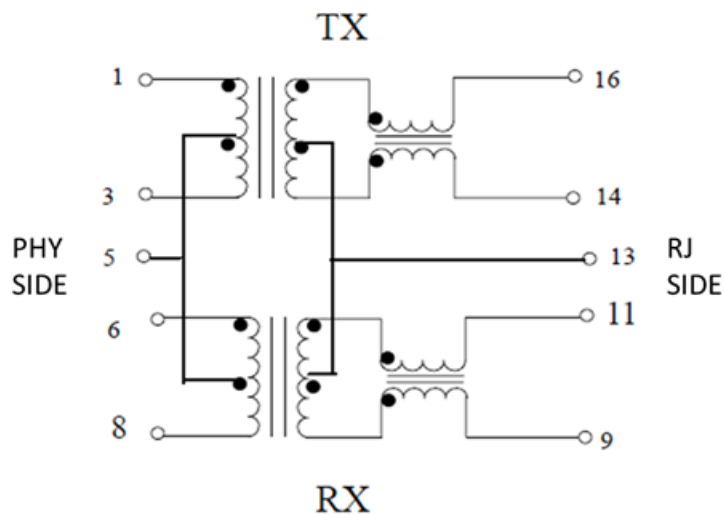
Tolerance: mm (inch) Tolerance: XX.X0 +/-0.25 (0.010)

0.XX +/-0.05 (0.002)

\*All tolerance with reference to mm measurements

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

#### 4. Schematic:



#### 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		1~60MHz	60~100MHz
SLT128740M165P7A8	1~100MHz -1.2	1~30MHz -18	40MHz -15.5	50MHz -13.5	60~80MHz -10	1~100MHz -38	1~60MHz -33	60~100MHz -26

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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.

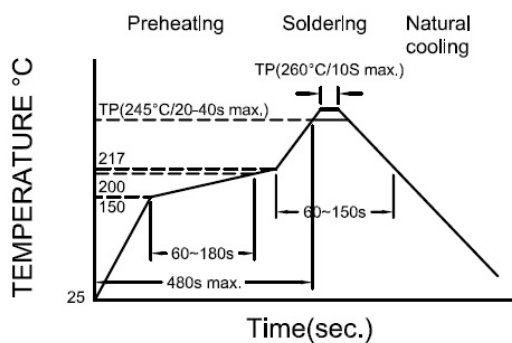
### 7-2 Soldering Iron (Figure 2):

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.

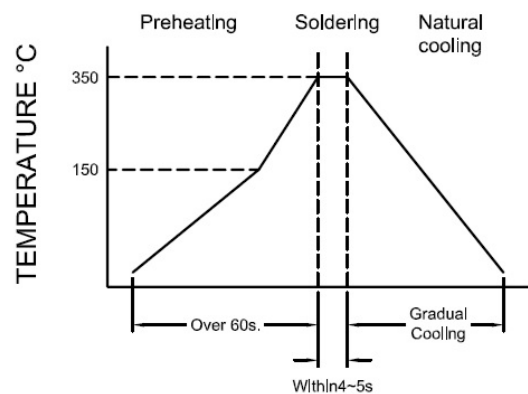
Note :

- 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.



Reflow times: 3 times max

Fig.1



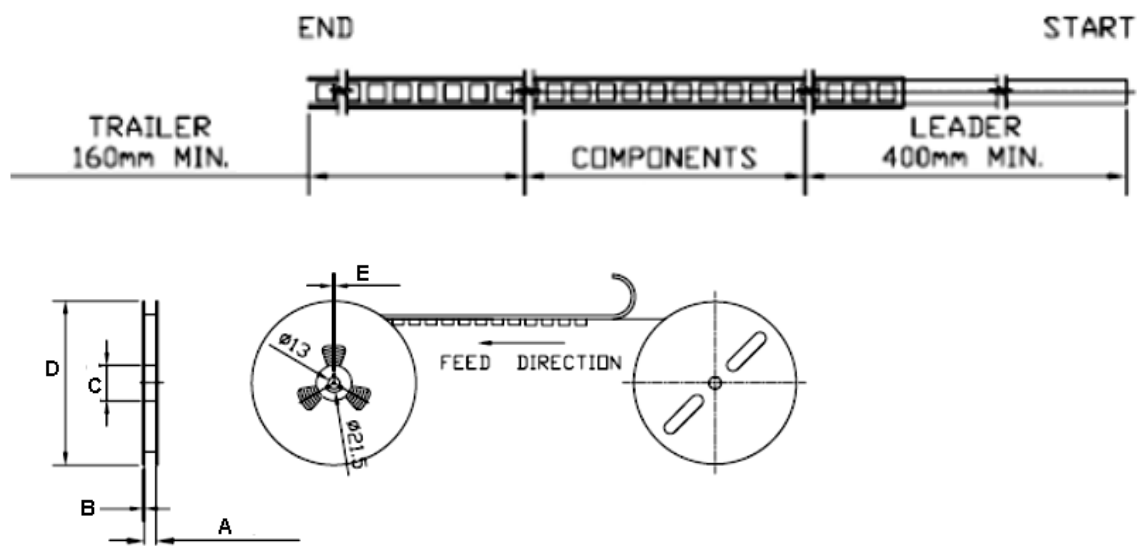
Iron Soldering times: 1 times max

Fig.2

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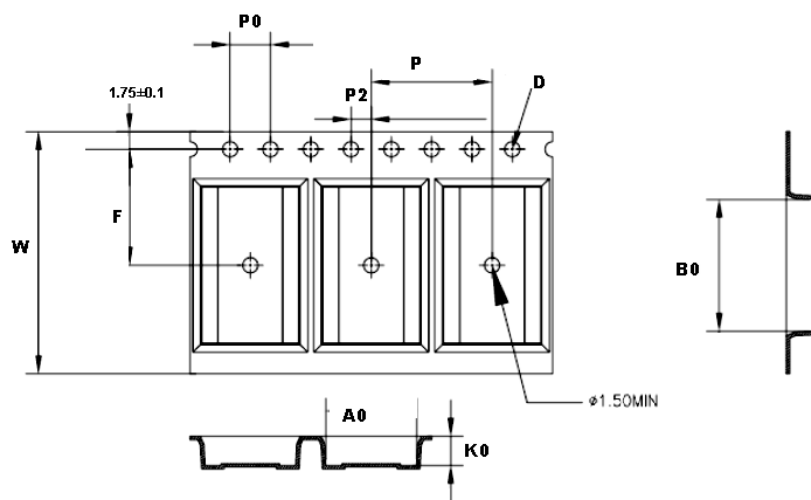
## 8. Packaging Information:

## 8-1 Reel Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SLT128740M165P7A8	24.4±2.0	2.1±0.15	Ø100	Ø330±2	2.5

## 8-2 Tape Dimension



Series	Bo(mm)	Ao(mm)	Ko(mm)	P(mm)	Po(mm)	P2(mm)	W(mm)	F(mm)	D(mm)
SLT128740M165P7A8	13.0±0.1	9.0±0.1	4.4±0.1	16.00±0.1	4.0±0.1	2.0±0.1	24±0.3	11.5±0.1	1.5±0.1

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**8-3 Packaging Quantity**

SLT	128740M165P7A8
Chip / Reel	900

**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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