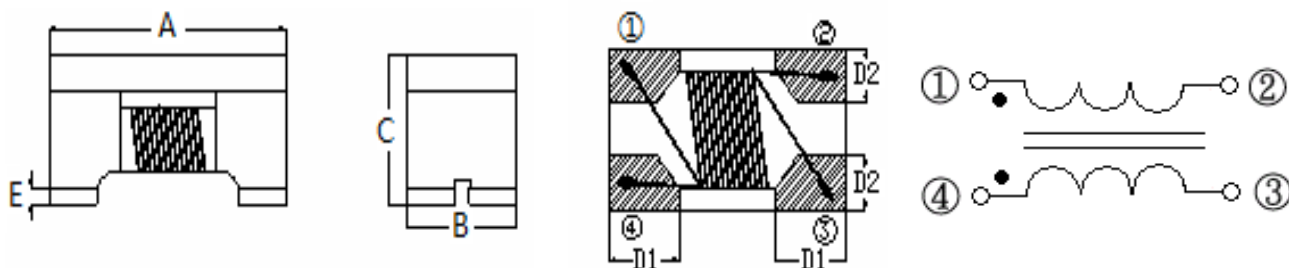


### Common Mode Choke

#### ◆ Dimensions(Unit:mm)



| A         | B         | C        | D1       | D2      | E       |
|-----------|-----------|----------|----------|---------|---------|
| 4.50±0.20 | 3.20±0.20 | 2.80±0.2 | 1.00 Typ | 1.20Typ | 0.50Typ |

#### ◆ Electrical Chapacteristics List:

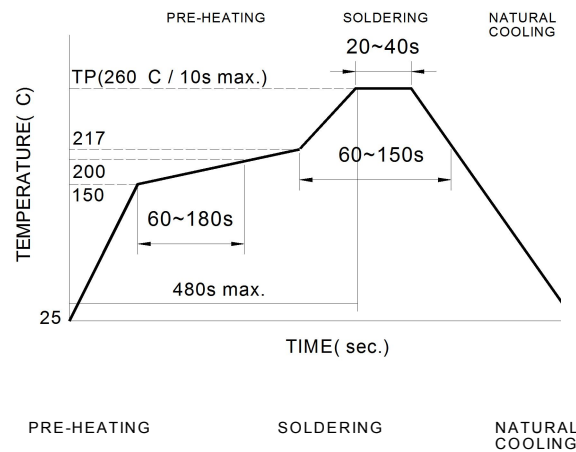
| NO. | Part Number    | Z(Ω)<br>10MHz       | L(μH)<br>100KHz/0.1V | Rdc<br>(Ω)Max | Idc<br>(mA)Max | Rated Voltage<br>Volts | Resistance<br>Insulation<br>(MΩ)Min |
|-----|----------------|---------------------|----------------------|---------------|----------------|------------------------|-------------------------------------|
| 1   | SMW4532S110XTT | 300min<br>600typ    | 11                   | 0.6           | 360            | 50                     | 10                                  |
| 2   | SMW4532S220XTT | 500min<br>1200typ   | 22                   | 1             | 310            | 50                     | 10                                  |
| 3   | SMW4532S510XTT | 1000min<br>2800typ  | 51                   | 1             | 200            | 50                     | 10                                  |
| 4   | SMW4532S101XTT | 2000min<br>5800typ  | 100                  | 3             | 150            | 50                     | 10                                  |
| 5   | SMW4532S201XTT | 5000min<br>14000typ | 200                  | 4.5           | 100            | 50                     | 10                                  |

#### Notes:

- 1.Rating DC current: Temperature rise( $\Delta T$ ) is 40°C approximately at Irms.
- 2.Operating temp.: -40°C~ +85°C
- 3.Storage temp.: -10°C ~ +40°C R.H.: 65% Max
- 4.Moisture sensitivity level (MSL) 2 (1 year floor life at <30°C/65% relative humidity)

## ◆ Soldering Conditions

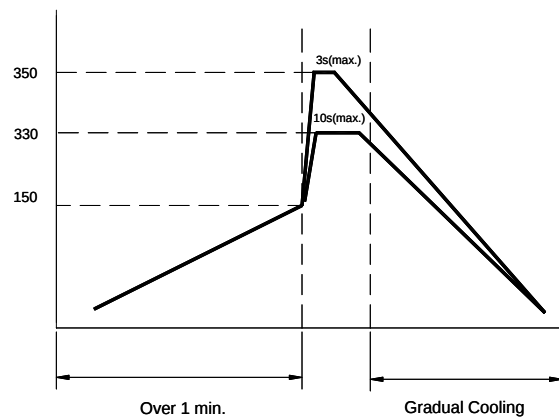
**Figure 1.  
Re-flow Soldering  
(Lead Free)**



**Note:**

- Preheat circuit and products to 150°C
- 260°C tip temperature (max)
- Reflow times: no more than 2 times
- Solder paste thickness: the best 0.08mm is ,but max is 0.1mm

**Figure 2.  
Hand Soldering**

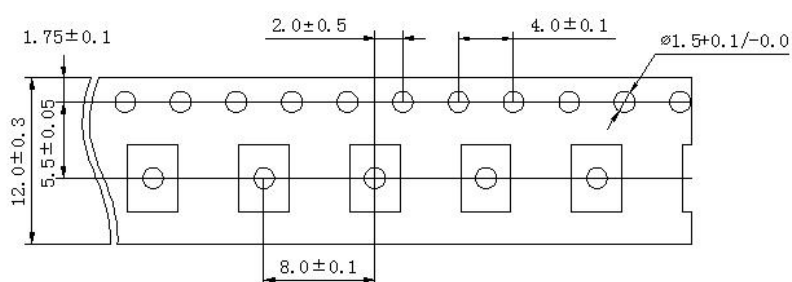
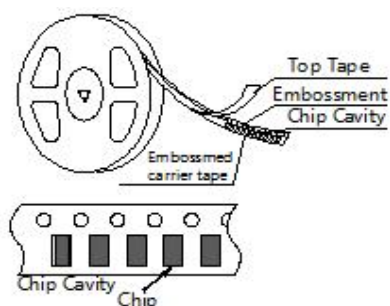
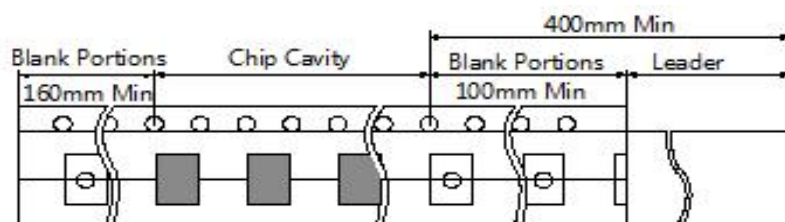


**Note:**

- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

**◆ PACKAGING(UNIT:mm)**

|          |      |
|----------|------|
| Type     | 4532 |
| Quantity | 500  |

**TAPING DRAWINGS**

**LEADER AND BLANK PORTION**


**PEELLING OFF FORCE: 0.05 to 0.7N in the direction show below**

