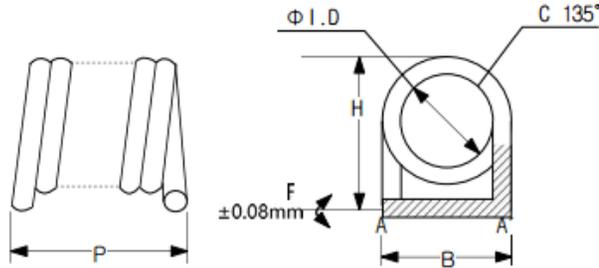


1. Shape & Dimensions (mm)



| Item | W.S | A.W | ΦI.D | Turns |
|-----------|---------|---------|---------|-------|
| Size (mm) | 0.3 | PEW | 2.5±0.1 | 15 |
| W.D | B | H | P | |
| L | 3.2±0.3 | 3.5±0.3 | 5.5±0.5 | |

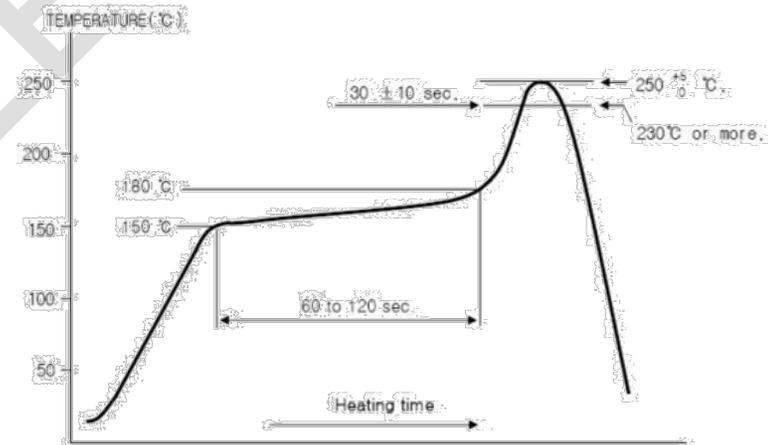
Remarks:

- W.S: Wire Size
- A.W: A Kind of Wire
- I.D: Internal Diameter of Hole ± 0.1
- W.D: Winding Direction (L=Left, R=Right)
- B: Winding Width
- H: Height of Coil
- P: Length of Coil

2. Electrical Properties

| Part Number | Inductance (nH) | Tolerance (%) |
|--------------------|-----------------|---------------|
| PVT-MC2.5*15T*0.3L | 260 | ±30% |

3. Reflow



- Rate of Rise: 2~3° C / sec
- Pre-Heating: 60~120 sec
- Pre-Heating Temp: 150~180° C
- Above 217° C: 45~75 sec
- Peak Temp: 255° C, 5 sec max
- Cooling: 4° C max / sec

(continued)

4. Reliability Test

| Item | Conditions | Specification |
|--|--|---|
| Vibration Test | Samples shall be subjected to vibration of 1.5mm amplitude, frequency 10~55Hz (10Hz to 55Hz to 10Hz in a period of 1 minute) for 2 hours in each of three (X, Y, Z) axes. | Without damage L: within \pm tolerance(%) |
| Resistance to Reflow Soldering Heat | Samples shall be subjected to 150 \pm 5 $^{\circ}$ C for pre-heating for 3 minutes then at 255 $^{\circ}$ C for 5 seconds. Measure after one hour exposure at room temperature and humidity. | New solder shall cover 90% minimum of the surface |
| Humidity Test | Samples shall be subjected to 60 \pm 2 $^{\circ}$ C and 90% to 95% relative humidity for 96 \pm 4 hours. Measure after 1- to 2-hour exposure at room temperature and humidity. | L: within \pm tolerance(%) at rated current \pm tolerance(%) |
| Dry Heat Test | Samples shall be subjected to 125 \pm 2 $^{\circ}$ C for 96 \pm 4 hours. Measure after 1- to 2-hour exposure at room temperature and humidity. | L: within \pm tolerance(%) at rated current \pm tolerance(%) |
| Cold Test | Samples shall be subjected to -40 \pm 3 $^{\circ}$ C for 96 \pm 4 hours. Measure after 1- to 2-hour exposure at room temperature and humidity. | L: within \pm tolerance(%) at rated current \pm tolerance(%) |
| Thermal Shock | Sample shall be subjected to 100 cycles of (1 cycle) -40 $^{\circ}$ C/30min ~ +85 $^{\circ}$ C/30min, 100 Cycle. Measure after 1- to 2-hour exposure at room temperature and humidity. | L: within \pm tolerance(%) at rated current \pm tolerance(%) |
| Operating Temp. | -25 $^{\circ}$ C ~ +125 $^{\circ}$ C | Tolerance(%) = INDUCTANCE Tolerance |
| Storage Temp. | -10 $^{\circ}$ C ~ +40 $^{\circ}$ C (70% RH max) 1 Year | |