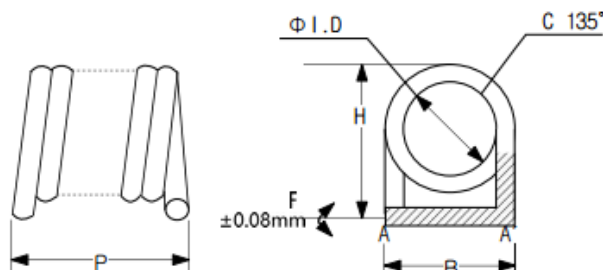


## 1. Shape & Dimensions (mm)



Item	W.S	A.W	$\Phi I.D$	Turns
Size (mm)	0.3	PEW	$2.5 \pm 0.1$	15

W.D	B	H	P
L	$3.2 \pm 0.3$	$3.5 \pm 0.3$	$5.5 \pm 0.5$

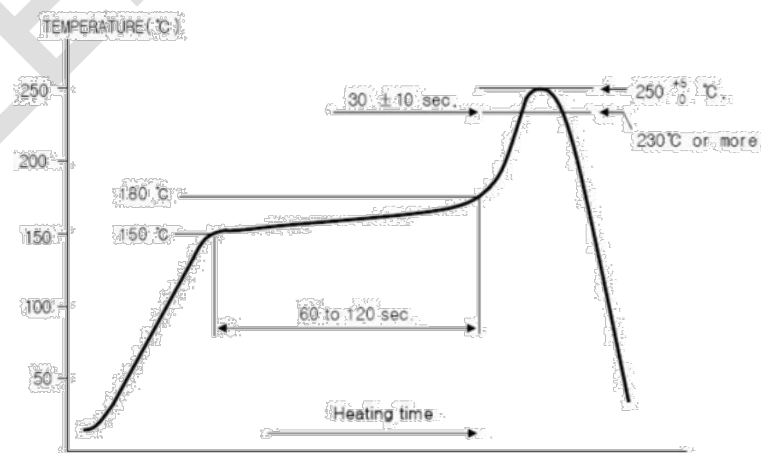
### Remarks:

- W.S: Wire Size
- A.W: A Kind of Wire
- I.D: Internal Diameter of Hole  $\pm 0.1$
- 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	$\pm 30\%$

## 3. Reflow



- Rate of Rise:  $2 \sim 3^\circ \text{C} / \text{sec}$
- Pre-Heating: 60~120 sec
- Pre-Heating Temp:  $150 \sim 180^\circ \text{C}$
- Above  $217^\circ \text{C}$ : 45~75 sec
- Peak Temp:  $255^\circ \text{C}$ , 5 sec max
- Cooling:  $4^\circ \text{C}$  max / sec

(continued)

## 4. Reliability Test

Item	Conditions	Specification
<b>Vibration Test</b>	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(%)
<b>Resistance to Reflow Soldering Heat</b>	Samples shall be subjected to 150 $\pm$ 5°C for pre-heating for 3 minutes then at 255°C for 5 seconds. Measure after one hour exposure at room temperature and humidity.	New solder shall cover 90% minimum of the surface
<b>Humidity Test</b>	Samples shall be subjected to 60 $\pm$ 2°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(%)
<b>Dry Heat Test</b>	Samples shall be subjected to 125 $\pm$ 2°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(%)
<b>Cold Test</b>	Samples shall be subjected to -40 $\pm$ 3°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(%)
<b>Thermal Shock</b>	Sample shall be subjected to 100 cycles of (1 cycle) -40°C/30min ~ +85°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(%)
<b>Operating Temp.</b>	-25°C ~ +125°C	Tolerance(%) = INDUCTANCE Tolerance
<b>Storage Temp.</b>	-10°C ~ +40°C (70% RH max) 1 Year	