

# SMD POWER INDUCTORS

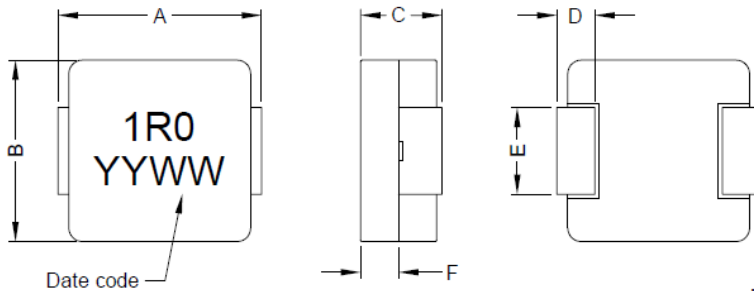
**SERIE:** HPC01005 11,0 x 10,0 x 4,8 mm

## DIMENSIONS:

VPE: 500 pcs.



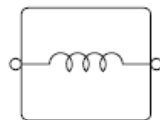
RoHS Compliant



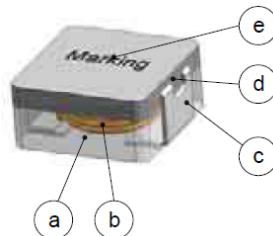
Unit:m/m

A	B	C	D	E	F
11.0±0.5	10.0±0.3	4.8±0.2	2.0±0.3	3.0±0.3	0~4.0

## SCHEMATIC:



## MATERIALS :



- (a) Core : Magnetic metal powder or equivalent
- (b) Wire : Polyester wire or equivalent
- (c) Solder Plating : 100% Pb free solder
- (d) Paint : Epoxy resin
- (e) Ink : Halogen-free ketone

## GENERAL SPECIFICATION:

1. Test Freq. : L : 100KHz./1V
2. Ambient Temp.: 25°C
3. Operating Temp. : - 40°C to + 125°C
4. Storage Temp. : -40°C to + 125°C
5. Humidity Range: 50~60% RH ( Product without taping )
6. Heat Rated Current ( I<sub>rms</sub> ) : Will cause the coil temp. rise approximately Δt to 40°C (keep 1min )
7. Saturation Current ( I<sub>sat</sub> ) : Will cause L0 to drop ≤ 20% (keep quickly )
8. Part Temperature ( Ambient + Temp. Rise ) : Should not exceed 125°C under worst case operating conditions

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

# **SMD POWER INDUCTORS**

**SERIE:** HPC01005 11,0 x 10,0 x 4,8 mm



## **ELECTRICAL CHARACTERISTICS**

Part No.	Inductance L0 ( $\mu\text{H}$ ) $\pm 20\%$ @ 0A	DCR ( $\text{m}\Omega$ ) Max. @ 25°C	DCR ( $\text{m}\Omega$ ) Typ. @ 25°C	I <sub>rms</sub> (A) Typ.	I <sub>sat</sub> (A) Typ.
HPC01005 - R30SWE	0,30	0,61	0,57	38	65
HPC01005 - 1R0SWE	1,00	3,5	2,80	22	30
HPC01005 - 2R2SWE	2,20	6,00	5,40	16	24

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