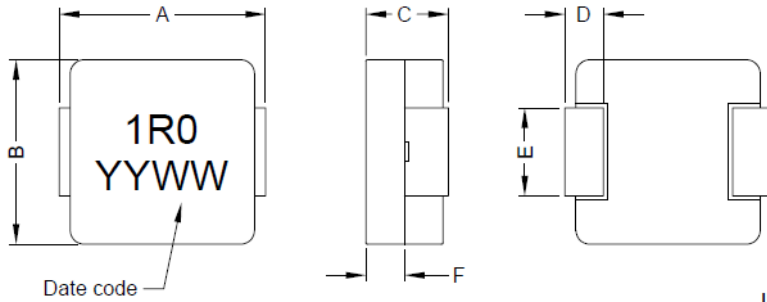


# SMD POWER INDUCTORS

**SERIE:** HPC01003 11,0 x 10,0 x 2,8 mm

## DIMENSIONS:

VPE: 500 pcs.



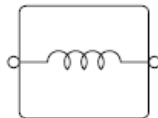
RoHS Compliant



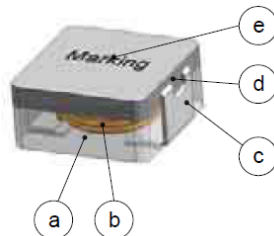
Unit:m/m

A	B	C	D	E	F
11.0±0.5	10.0±0.3	2.8±0.2	2.3±0.3	3.0±0.3	0~2.0

## 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:** HPC01003 11,0 x 10,0 x 2,8 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.
HPC01003 - R36SWE	0,36	1,6	1,3	23	40
HPC01003 - R47SWE	0,47	2,5	2,1	20	33
HPC01003 - R56SWE	0,56	3,0	2,6	16	24
HPC01003 - 1R0SWE	1,00	6,0	4,6	15	20
HPC01003 - 1R5SWE	1,50	7,5	6,5	13	20
HPC01003 - 2R2SWE	2,20	9,0	8,0	12	16
HPC01003 - 3R3SWE	3,30	16	14,5	9	14
HPC01003 - 4R7SWE	4,70	22,5	20,5	7	13
HPC01003 - 5R6SWE	5,60	32,5	28	7	12
HPC01003 - 6R8SWE	6,80	35	30,2	6,5	9,5
HPC01003 - 8R2SWE	8,20	48	42	6	8,5
HPC01003 - 100SWE	10,0	55	50	5	8

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