

# SMD POWER INDUCTORS

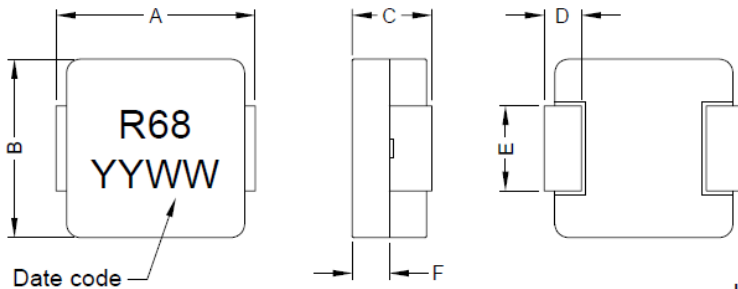
**SERIE:** HPC0502 5,5 x 5,2 x 1,8 mm

## DIMENSIONS:

VPE: 3000 pcs.



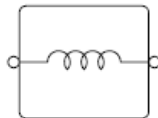
RoHS Compliant



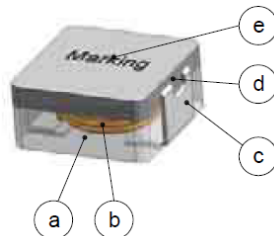
Unit:m/m

A	B	C	D	E	F
5.5±0.3	5.2±0.2	1.8±0.2	1.1±0.3	1.5±0.20	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:** HPC0502 5,5 x 5,2 x 1,8 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.
HPC0502 - R33SWE	0,33	7,3	6,3	12	21,3
HPC0502 - R47SWE	0,47	8,6	7,3	11,5	18
HPC0502 - R68SWE	0,68	12,4	11	10	12,8
HPC0502 - 1R0SWE	1,00	20	17,5	7,0	13,7
HPC0502 - 1R5SWE	1,50	30,5	26,5	5,5	9,8
HPC0502 - 2R2SWE	2,20	50	42	4,2	9,0
HPC0502 - 3R3SWE	3,30	76	66	3,3	7,3
HPC0502 - 4R7SWE	4,70	116	103	2,8	5,0
HPC0502 - 5R6SWE	5,60	122	112	2,5	4,0
HPC0502 - 6R8SWE	6,80	150	130	2,4	3,8
HPC0502 - 8R2SWE	8,20	171	148	2,3	3,5
HPC0502 - 100SWE	10,0	199	180	2,3	3,4

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