

SMD POWER INDUCTORS

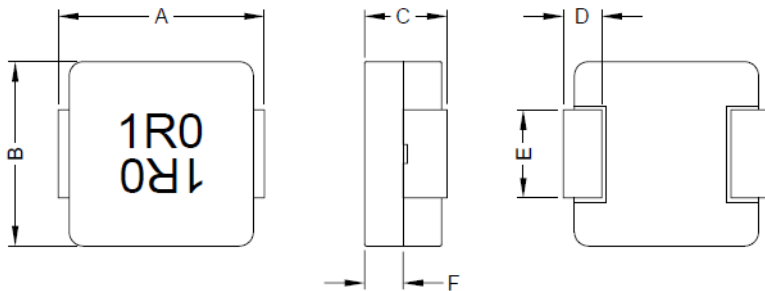
SERIE: HPC0503 5,9 x 5,2 x 2,8 mm

DIMENSIONS:

VPE: 3000 pcs.



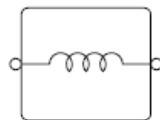
RoHS Compliant



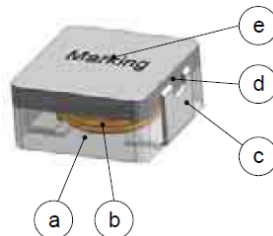
Unit:m/m

A	B	C	D	E	F
5.9±0.3	5.2±0.2	2.8±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_{rms}) : Will cause the coil temp. rise approximately Δt to 40°C (keep 1min)
7. Saturation Current (I_{sat}) : 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: HPC0503 5,9 x 5,2 x 2,8 mm



ELECTRICAL CHARACTERISTICS

Part No.	Inductance L0 (μH) $\pm 20\%$ @ 0A	DCR ($\text{m}\Omega$) Max. @ 25°C	DCR ($\text{m}\Omega$) Typ. @ 25°C	I _{rms} (A) Typ.	I _{sat} (A) Typ.
HPC0503 - R68SWE	0,68	12	10	8,5	14
HPC0503 - 1R0SWE	1,0	14	13	7,0	11
HPC0503 - 1R2SWE	1,20	16	14	6,5	11
HPC0503 - 1R5SWE	1,50	25	16	6,0	10
HPC0503 - 2R2SWE	2,20	35	25	5,5	9
HPC0503 - 3R3SWE	3,30	38	32	5,0	8
HPC0503 - 4R7SWE	4,70	56	50	4,6	6

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