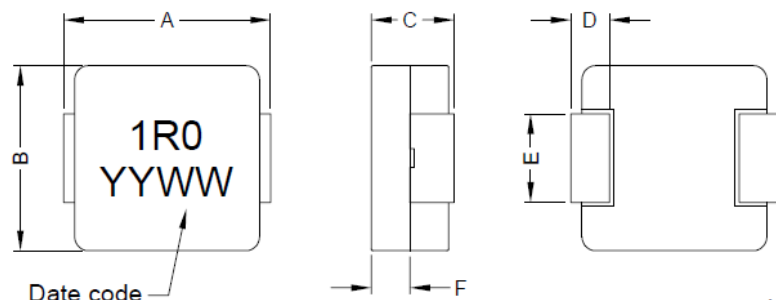


SMD POWER INDUCTORS

SERIE: HPC0512-P 5,5 x 5,2 x 1,0 mm

DIMENSIONS:

VPE: 4000 pcs.



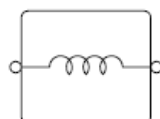
RoHS Compliant



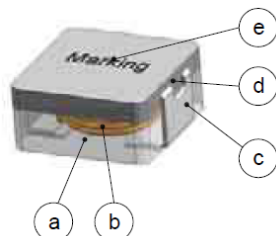
Unit:m/m

A	B	C	D	E	F
5.5±0.25	5.2±0.2	1.0±0.2	1.1±0.3	2.5±0.3	0~0.7

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: HPC0512-P 5,5 x 5,2 x 1,0 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.
HPC0512-P - R10SWE	0,10 \pm 30%	5,2	4,3	14	14,5
HPC0512-P - R22SWE	0,22 \pm 30%	6,7	5,5	10,7	14,0
HPC0512-P - R33SWE	0,33	9,4	7,8	8,5	13,5
HPC0512-P - R36SWE	0,36	11,5	10	8,0	13
HPC0512-P - R47SWE	0,47	15,8	13,6	7,0	11
HPC0512-P - R68SWE	0,68	24,5	21,5	6,0	9,0
HPC0512-P - 1R0SWE	1,00	30	26	5,0	6,0
HPC0512-P - 1R2SWE	1,20	40	33	4,5	5,5
HPC0512-P - 1R5SWE	1,50	44	38	4,0	5,0
HPC0512-P - 2R2SWE	2,20	75	65	3,5	4,0
HPC0512-P - 3R3SWE	3,30	86	75	3,0	3,8
HPC0512-P - 4R7SWE	4,70	115	100	2,5	3,2
HPC0512-P - 5R6SWE	5,60	201	175	2,4	3,2
HPC0512-P - 6R8SWE	6,80	222	193	2,0	3,0
HPC0512-P - 8R2SWE	8,20	378	327	1,7	2,8
HPC0512-P - 100SWE	10	385	335	1,5	1,8

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