

SMD POWER INDUCTORS

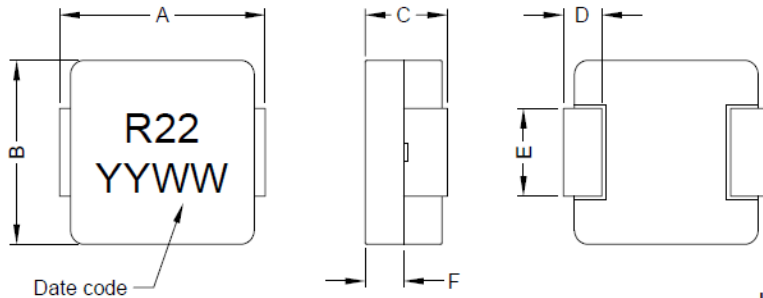
SERIE: HPC0402-P 4,45 x 4,06 x 1,8 mm

DIMENSIONS:

VPE: 3000 pcs.



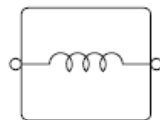
RoHS Compliant



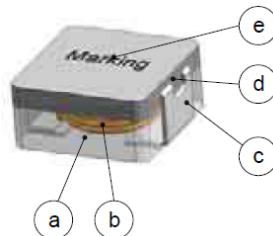
Unit:m/m

A	B	C	D	E	F
4.45±0.25	4.06±0.25	1.8±0.2	0.76±0.30	2.0±0.20	0~1.2

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

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ELECTRICAL CHARACTERISTICS

Part No.	Inductance L0 (μ H) $\pm 20\%$ @ 0A	DCR ($m\Omega$) Max. @ 25°C	DCR ($m\Omega$) Typ. @ 25°C	I _{rms} (A)	I _{sat} (A)
HPC0402P - R10SWE	0,10	4,0	3,2	12	35
HPC0402P - R22SWE	0,22	7,3	6,6	13	24
HPC0402P - R33SWE	0,33	8,6	7,8	10	18
HPC0402P - R47SWE	0,47	14	11,2	8,0	12
HPC0402P - R68SWE	0,68	19	16	7,0	10
HPC0402P - 1R0SWE	1,00	27	22	5,0	8,5
HPC0402P - 1R2SWE	1,20	30	25	4,8	7,8
HPC0402P - 1R5SWE	1,50	42	34,8	4,5	7,0
HPC0402P - 2R2SWE	2,20	61	51	4,0	6,0
HPC0402P - 3R3SWE	3,30	76	69	3,5	4,0
HPC0402P - 4R7SWE	4,70	105	95	2,6	3,5
HPC0402P - 5R6SWE	5,60	125	112	2,2	3,0
HPC0402P - 6R8SWE	6,80	172	150	2,1	2,8
HPC0402P - 8R2SWE	8,20	180	158	2,0	2,5
HPC0402P - 100SWE	10,00	243	215	1,8	2,3
HPC0402P - 220SWE	22,00	500	470	1,2	1,4

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