

SMD POWER INDUCTORS

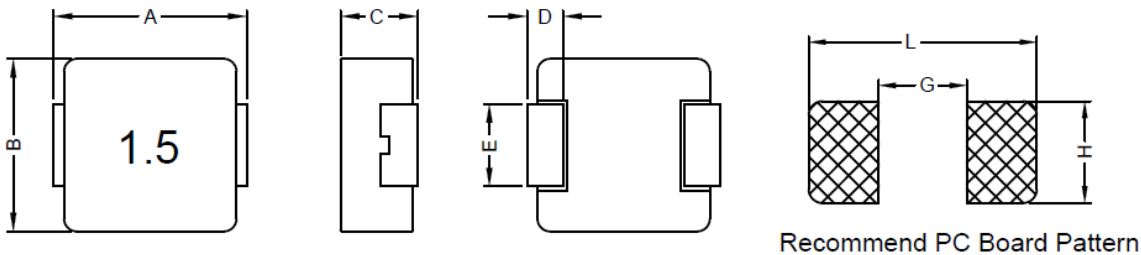
SERIE: HPC0302 3,5 x 3,2 x 1,8 mm

DIMENSIONS:

VPE: 3000 pcs.



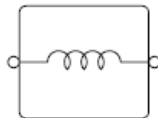
RoHS Compliant



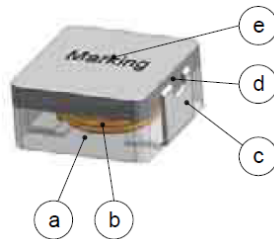
Unit:m/m

A	B	C	D	E	G	H	L
3.5±0.2	3.2±0.2	1.8±0.2	0.7±0.2	1.2±0.2	1.9	1.45	4.1

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 (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.
HPC0302 - R10SWE	0,10	9,0	6,6	10,5	14,0
HPC0302 - R22SWE	0,22	14	11	9,0	11,2
HPC0302 - R33SWE	0,33	21	17	8,0	10,0
HPC0302 - R47SWE	0,47	23	19,5	7,0	9,0
HPC0302 - R68SWE	0,68	29	25,5	5,5	7,0
HPC0302 - R82SWE	0,82	32	27	4,8	6,0
HPC0302 - 1R0SWE	1,00	38	32	4,0	5,0
HPC0302 - 1R5SWE	1,50	50	42	3,8	4,0
HPC0302 - 2R2SWE	2,20	75	65	3,5	3,7
HPC0302 - 3R3SWE	3,30	145	125	3,0	3,5
HPC0302 - 4R7SWE	4,70	200	172	2,6	3,0
HPC0302 - 5R6SWE	5,60	238	205	2,2	2,6
HPC0302 - 6R8SWE	6,80	300	260	1,9	2,2
HPC0302 - 8R2SWE	8,20	390	340	1,6	1,9
HPC0302 - 100SWE	10,0	422	366	1,4	1,6

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