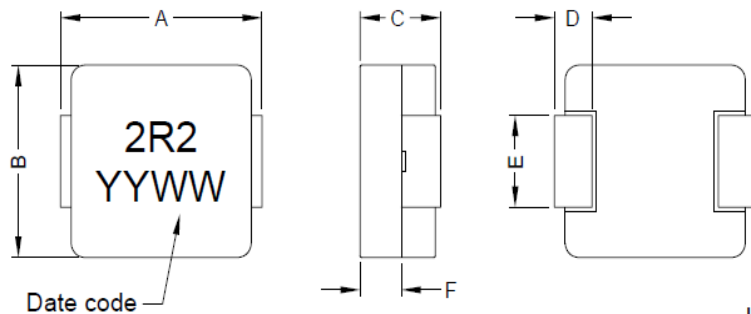


SMD POWER INDUCTORS

SERIE: HPC0603 7,3 x 6,6 x 2,8 mm

DIMENSIONS:

VPE: 1000 pcs.



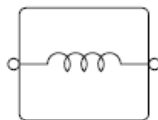
RoHS Compliant



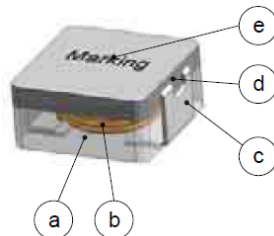
Unit:m/m

A	B	C	D	E	F
7.3±0.3	6.6±0.3	2.8±0.2	1.8±0.30	3.0±0.30	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: HPC0603 7,3 x 6,6 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.
HPC0603 - R22SWE	0,22	2,8	2,1	23,0	40,0
HPC0603 - R33SWE	0,33	3,9	3,5	20,0	32,0
HPC0603 - R47SWE	0,47	4,2	4,0	17,5	26,0
HPC0603 - R68SWE	0,68	5,5	4,8	15,5	25,0
HPC0603 - 1R1SWE	1,10	10	8,3	11,0	22,0
HPC0603 - 1R5SWE	1,50	15	13	9,0	18,0
HPC0603 - 1R8SWE	1,80	17	14	8,5	16,0
HPC0603 - 2R2SWE	2,20	20	18	8,0	14,0
HPC0603 - 3R3SWE	3,30	30	28	6,0	13,5
HPC0603 - 4R7SWE	4,70	40	37	5,5	10,0
HPC0603 - 5R6SWE	5,60	48	43	5,0	9,0
HPC0603 - 6R8SWE	6,80	60	54	4,5	8,0
HPC0603 - 8R2SWE	8,20	68	64	4,0	7,5
HPC0603 - 100SWE	10	85	75	3,5	6,0
HPC0603 - 220SWE	22	90	165	2,0	3,5

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