



SKHC252012 Series

One-piece Formed Power Inductor

Features

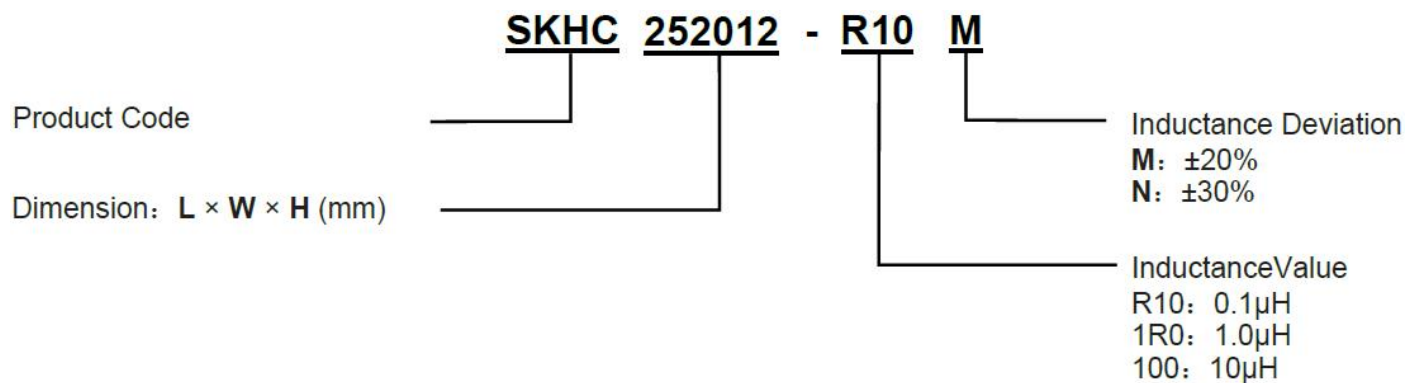
- Magnetic shielding structure: Strong anti-electromagnetic interference (EI) performance
- One-piece molding structure, ultra-low beeping noise
- Low loss, high efficiency, and wide application frequency
- Low-loss alloy powder die-casting: low impedance, small parasitic capacitance



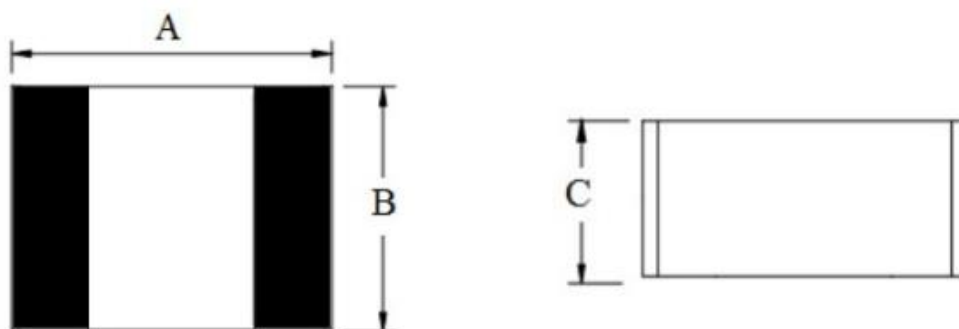
Applications

- DC-DC conversion of distributed power systems for automotive infotainment/comfort equipment, etc.

Product Identification



Standard External Dimensions



Specification	A	B	C _{max}
SKHC252012	2.5±0.2	2.0±0.2	1.2



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Specifications

SKHC252012 Type

Part Number	Inductance	L Test Freq.	Max. DC Resistance	Temperature Rise Current	Saturation Current
Units	μH	MHz/V	m Ω	A	A
Symbol	L	Freq	DCR	I _{rms}	I _{sat}
SKHC252012-R10	0.1	1/1	10	10.5	12.5
SKHC252012-R15	0.15	1/1	11	10	12
SKHC252012-R22	0.22	1/1	14	7.6	9
SKHC252012-R24	0.24	1/1	15	7.5	8.8
SKHC252012-R33	0.33	1/1	17	6.4	7.8
SKHC252012-R47	0.47	1/1	19	6	7
SKHC252012-R68	0.68	1/1	23	5.5	6
SKHC252012-R82	0.82	1/1	24	5.3	5.8
SKHC252012-1R0	1.0	1/1	42	3.6	5
SKHC252012-1R2	1.2	1/1	45	3.4	4.1
SKHC252012-1R5	1.5	1/1	50	3.2	4.1
SKHC252012-2R2	2.2	1/1	65	2.7	3.3
SKHC252012-3R3	3.3	1/1	97	1.8	2.7
SKHC252012-4R7	4.7	1/1	170	1.5	2.1
SKHC252012-6R8	6.8	1/1	270	1.4	1.7
SKHC252012-100	10	1/1	400	1.05	1.45