

HIGH CURRENT POWER INDUCTOR FACSCG1056 SERIES



FEATURES:

Magnetic shielding structure, excellent resistance to electro magnetic interference
Assemblage design, sturdy structure
Small volume, high current, low magnetic loss, low ESR small parasitic capacitance
Temperature rise current and saturation current is less influenced by environment
Operating temperature: -40°C ~ +125°C
[Including coils temperature rise]

PRODUCT IDENTIFICATION:

C S C G 1 0 5 6 - 4 R 7 M
a b c d

a:Series name

b:Product dimensions

c:Inductance Value[1R0:1.0uH;100;10uH;101:100uH]

d:Inductance Tolerance[K:10%;M:20%;N:30%]

ELECTRICAL CHARACTERISTICS

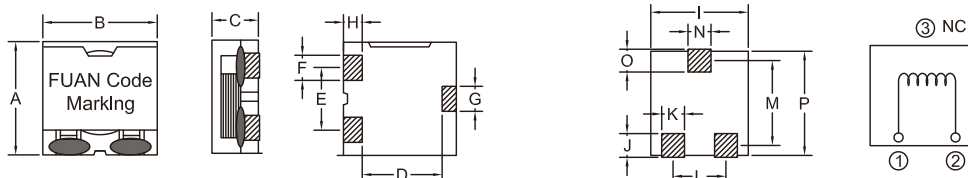
Part Number	Inductance [uH]±20%	D.C.Resistor[mΩ]		Saturation Current [A]Typical	Temperature Current [A]Typical
		Typical	Max		
FACSCG 1056-R60M	0.60	1.32	1.60	45.0	24.0
FACSCG 1056-R68M	0.68	1.32	1.60	38.0	24.0
FACSCG 1056-1R0M	1.00	2.50	2.80	30.0	13.0
FACSCG 1056-1R3M	1.30	2.50	2.80	19.0	13.0
FACSCG 1056-4R7M	4.70	9.20	11.0	10.0	11.0
FACSCG 1056-8R2M	8.20	17.0	19.0	8.00	9.00

TEST CONDITIONS

1. All data is tested based on 25°C ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 20% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is ΔT40 [Ta=25°C].
5. Special remind : Circuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.

TECHNICAL INFORMATION

ELECTRICAL SCHEMATIC & PAD LAYOUT



DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	H	I	J	K
FACSCG1056	9.0 Max	10.5 Max	5.6 Max	1.8±0.2	5.6 REF	2.6±0.5	1.8 REF	1.8 REF	10.5 REF	4.0 REF	3.0 REF
Part number	L	M	N	O	P						
FACSCG1056	5.6 REF	5.75 REF	2.8 REF	2.5 REF	9.0 REF						