HIGH CURRENT POWER INDUCTOR
FACSCD1250 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℃ ~ +125℃
(ncluding coilís temperature rise).

PRODUCT IDENTIFICATION:

CSCD 1250 - 1R0 M
a b c d

a:Series name
b:Product dimensions
c:Inductance Value(1R0:1.0uH;100;10uH;101:100uH)
d:Inducatance Tolerance(K:10%;M:20%;N:30%)

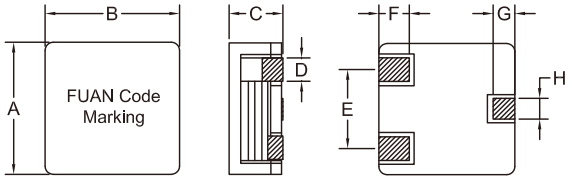
ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH)±20%	D.C.Resistor(mΩ)		Saturation Current (A)Typical	Temperature Current (A)Typical
		Typical	Max		
FACSCD1250-R50M	0.50	0.70	0.90	42.0	29.0
FACSCD1250-1R0M	1.00	1.50	1.80	23.0	21.0
FACSCD1250-1R5M	1.50	2.80	3.50	18.0	16.0
FACSCD1250-2R2M	2.20	3.50	4.00	15.0	14.0
FACSCD1250-3R3M	3.30	6.00	6.75	15.0	13.0
FACSCD1250-4R7M	4.70	6.00	6.75	12.0	13.0
FACSCD1250-100M	10.0	13.8	15.5	6.00	10.0

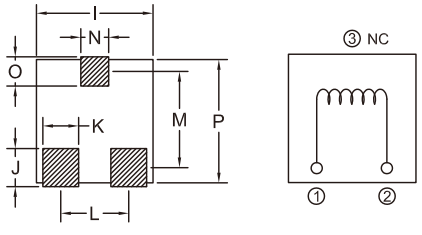
TEST CONDITIONS

1. All data is tested based on 25℃ ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 30% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is △T40 (Ta=25℃).
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
FACSCD1250	13.5 Max	12.8±0.2	5.3 Max	2.4±0.2	7.6 REF	2.5±0.5	2.0 REF	2.0 REF	13.0 REF	4.0 REF	4.0 REF
Part number	**L**	**M**	**N**	**O**	**P**						
FACSCD1250	7.6 REF	10.5 REF	3.0 REF	3.0 REF	13.5 REF						