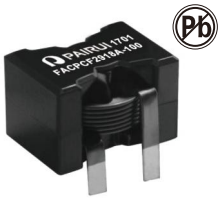
HIGH CURRENT POWER INDUCTOR
FACPCF2918A SERIES



FEATURES:

Assemblage design, sturdy structure.
High inductance, high current, low magnetic loss,
low ESR, small parasitic capacitance.
Flat wire winding, achieve a low D.C. Resistance.
Temperature rise current and saturation current is less
influenced by environment.
Operating temperature: -40℃ ~ +125℃
(ncluding coilís temperature rise).

PRODUCT IDENTIFICATION:

CPCF 2918A - 100 MC
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%)

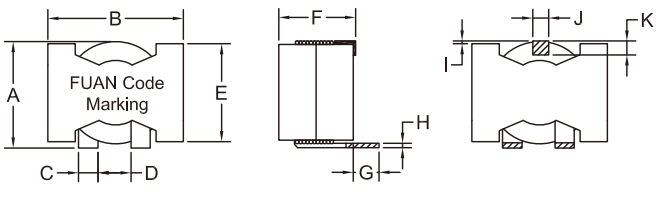
ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH)±20%	D.C.Resistor(mΩ)		Saturation Current (A)Typical	Temperature Current (A)Typical
		Typical	Max		
FACPCF2918A-1R0MC	1.00	0.50	0.60	120	60.0
FACPCF2918A-1R5MC	1.50	0.72	0.87	110	50.0
FACPCF2918A-2R2MC	2.20	0.72	0.87	85.0	50.0
FACPCF2918A-3R3MC	3.30	2.60	2.86	91.0	28.0
FACPCF2918A-4R7MC	4.70	2.60	2.86	61.2	28.0
FACPCF2918A-6R8MC	6.80	2.60	2.86	45.0	28.0
FACPCF2918A-100MC	10.0	2.60	2.86	31.2	28.0
FACPCF2918A-150MC	15.0	2.60	2.86	21.2	28.0
FACPCF2918A-220MC	22.0	2.60	2.86	14.0	28.0
FACPCF2918A-330MC	33.0	2.60	2.86	8.70	28.0

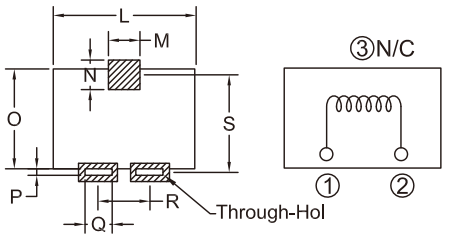
TEST CONDITIONS

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 20% 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
FACPCF2918A	23.0 Max	27.9 Max	3.8±0.3	6.63±0.5	19.7 Max	17.8 Max	5.0±0.5	0.85±0.2	0.5 REF	3.0 REF	2.5 REF
Part number	**L**	**M**	**N**	**O**	**P**	**Q**	**R**	**S**			
FACPCF2918A	28.0 REF	6.0 REF	5.5 REF	19.7 REF	1.4 REF	5.5 REF	10.4 REF	19.35 REF			