

# SMD POWER INDUCTORS FAMPI0518-0615 SERIES



## FEATURES:

Carbonyl powder inductor  
Low loss realized with low DCR  
Very low acoustic noise and very low leakage flux noise  
Frequency up to 3MHz  
High reliability  
Halogen Free & RoHS compliant

## OPTIONS:

Laptops and Pcs  
Switch and servers  
Base stations  
DC/DC converters  
Battery powered devices  
SSD modules

## GENERAL SPECIFICATIONS:

Test Frequency[Voltage]:100KHz/1.0V  
Parameters Test Temp:25  
Operation Temp:-40°C to +125°C  
[Including temperature Rise]  
Storage Temp:0 - 40°C  
Storage Humidity:<70% RH  
Resistance to Soldering Heat:260°C for 10 sec  
Rated Current:Ind. drops of 25% typ at Isat  
Temperature Rise:40°C typ at Irms

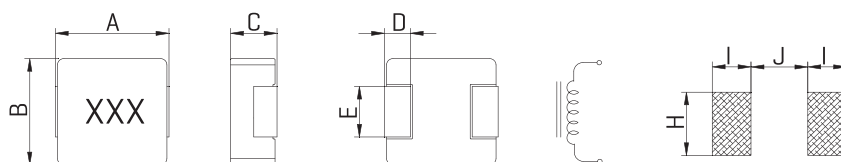
## ELECTRICAL CHARACTERISTICS:

Stamp	Inductance [uH]	FAMPI0518			FAMPI0520			FAMPI0530			FAMPI0612			FAMPI0615		
		DCR [mohm] Max	Isat [A]	Irms [A]	DCR [mohm] Max	Isat [A]	Irms [A]	DCR [mohm] Max	Isat [A]	Irms [A]	DCR [mohm] Max	Isat [A]	Irms [A]	DCR [mohm] Max	Isat [A]	Irms [A]
R22	0.22										7.50	19.0	11.0	5.20	22.0	14.0
R33	0.33	8.60	15.0	11.0	7.30	21.3	12.0	5.00	18.0	14.0	10.0	16.0	9.50	7.60	18.0	11.0
R47	0.47	11.3	14.0	10.0	8.60	18.0	11.5	7.40	16.0	12.0	17.0	12.0	8.50	10.3	16.0	9.50
R68	0.68	14.3	13.0	9.00	12.4	12.8	10.0	11.5	14.0	8.50	19.0	9.00	7.00	15.2	15.0	7.50
1R0	1.00	21.0	10.0	6.80	19.2	11.7	7.00	13.5	11.0	7.00	30.0	7.00	6.00	25.8	12.0	6.50
1R2	1.20				28.0	11.0	6.20	15.5	11.0	6.50	36.0	6.80	5.00	34.0	10.5	5.60
1R5	1.50	30.0	9.00	6.00	30.5	9.80	5.50	23.0	10.0	6.00	40.0	6.50	4.50	42.5	9.50	5.00
2R2	2.20	48.3	7.50	4.50	50.0	9.00	4.20	35.0	9.00	5.50	61.0	5.00	4.00	54.0	6.50	4.50
3R3	3.30	69.0	5.00	3.50	70.0	7.30	3.30	38.0	8.00	5.00	100	4.00	3.20	70.0	6.00	4.20
4R7	4.70	98.0	4.50	3.00	106	5.00	2.80	53.0	6.00	4.60	150	3.80	2.50	108	5.00	3.80
5R6	5.60	127	4.00	2.50	122	4.00	2.50	63.0	4.50	4.25				138	4.50	3.00
6R8	6.80	137	3.50	2.40	145	3.80	2.40	76.2	4.30	4.00	198	3.00	2.10	146	3.50	2.60
8R2	8.20	165	3.00	2.30	168	3.50	2.30							184	3.20	2.40
100	10.0	190	2.80	2.30	189	3.40	2.30	126	3.50	2.75	290	2.50	1.80	216	2.80	2.30

Note:When ordering,please specify tolerance code.Tolerance:K=±10%,M=±20%,N=±30%

Beyond the above specification also can meet the special requirements.Need detailed content Please to the website query or contact us

## SHAPE AND DIMENSIONS AND ELECTRICAL SCHEMATIC & PAD LAYOUT



TYPE	A	B	C	D	E	H	I	J
	±0.35	±0.30	±0.20	REF	REF	REF	REF	REF
FAMPI0518	5.70	5.20	1.60	1.20	2.20	2.70	2.00	2.20
FAMPI0520	5.70	5.20	1.80	1.20	2.20	2.70	2.00	2.20
FAMPI0530	5.70	5.20	2.80	1.20	2.20	2.70	2.00	2.20
FAMPI0612	7.30	6.60	1.00	1.60	3.00	3.50	2.35	3.70
FAMPI0615	7.30	6.60	1.30	1.60	3.00	3.50	2.35	3.70