

SMD POWER INDUCTORS FAMPI0412-0515 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 deevices
- SSD modules

GENERAL SPECIFICATIONS:

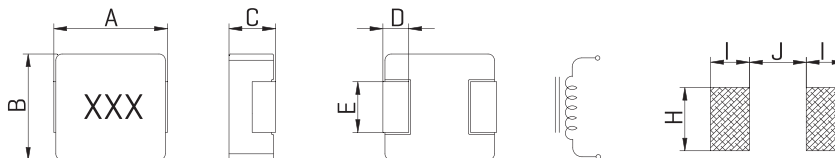
- Test Frequency(Voltage):100KHz/1.0V
- Parameters Test Temp:25
- Operation Temp:-40°C to +125°C
(Including temperature Rise)
- Storage Temp:0 - 40°C
- Storage Humidity:<70% RH
- Resistance to Soldering Heat:260°C for 10 sec
- Rated Current:Ind. drops of 25% typ at Isat
- Temperature Rise:40°C typ at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

ELECTRICAL CHARACTERISTICS:

Stamp	Inductance [uH]	FAMPI0412			FAMPI0418			FAMPI0420			FAMPI0512			FAMPI0515		
		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]
R10	0.10	5.50	25.0	11.5				4.00	35.0	12.0	5.20	14.5	14.0			
R18	0.18							5.40	28.0	11.5						
R22	0.22	12.0	20.0	8.50				7.30	24.0	11.0	6.70	14.0	10.7			
R33	0.33							8.60	18.0	10.0	9.40	13.5	8.50	9.80	16.0	9.00
R36	0.36										11.5	13.0	8.00			
R47	0.47	20.0	6.50	6.00				14.0	12.0	8.00	15.8	11.0	7.00	13.8	15.0	8.00
R56	0.56							17.0	10.0	7.30						
R68	0.68							19.0	10.0	7.00	24.5	9.00	6.00	16.2	13.0	7.00
1R0	1.00	50.0	6.00	4.00	30.0	6.90	4.80	27.5	8.50	5.00	30.0	6.00	5.00	25.3	9.00	6.00
1R2	1.20							30.0	7.80	4.80	40.0	5.50	4.50			
1R5	1.50	73.0	4.00	3.00				42.0	7.00	4.50	44.0	5.00	4.00	45.0	7.00	4.50
2R2	2.20	80.0	3.50	2.80	45.0	4.20	3.50	61.0	6.00	4.00	75.0	4.00	3.50	52.0	6.00	4.00
3R3	3.30	97.0	3.00	2.30				90.0	4.00	3.50	86.0	3.80	3.00	90.0	4.50	3.20
4R7	4.70	185	2.50	2.00				105	3.50	2.60	115	3.20	2.50	118	4.00	2.70
5R6	5.60	208	2.30	1.70				125	3.00	2.20	201	3.20	2.40	152	3.20	2.40
6R8	6.80	360	1.70	1.50				172	2.80	2.10	222	3.00	2.00	171	3.00	2.30
8R2	8.20	376	1.60	1.40				180	2.50	2.00	378	2.80	1.70	210	2.60	2.10
100	10.0	463	1.40	1.30				243	2.30	1.80	385	1.80	1.50	235	2.30	2.00
150	15.0							374	1.90	1.50						
220	22.0							500	1.40	1.20						

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
FAMPI0412	4.40	4.20	1.00	0.80	2.00	2.50	1.50	2.20
FAMPI0418	4.40	4.20	1.60	0.80	2.00	2.50	1.50	2.20
FAMPI0420	4.40	4.20	1.80	0.80	2.00	2.50	1.50	2.20
FAMPI0512	5.70	5.20	1.00	1.20	2.20	2.70	2.00	2.20
FAMPI0515	5.70	5.20	1.30	1.20	2.20	2.70	2.00	2.20