

SMD POWER INDUCTORS FAHPI0412-0530 SERIES



FEATURES :

High rated current
Frequency up to 3MHz
125°C maximum total temperature operation
Low core loss
Ultra low buzz noise due to molding construction
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:-55°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 30% typ at Isat
Temperature Rise:40°C typ at Irms

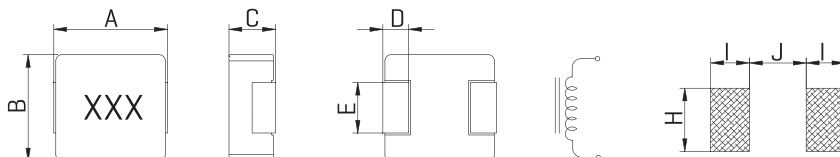
ELECTRICAL CHARACTERISTICS:

Stamp	Inductance [uH]	FAHPI0412			FAHPI0420			FAHPI0518			FAHPI0530		
		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				4.00	22.0	13.0				3.00	30.0	25.0
R15	0.15	9.00	15.0	7.50									
R20	0.20										3.90	20.0	14.0
R22	0.22	11.0	11.0	7.00	6.60	12.5	9.50						
R33	0.33	19.0	8.40	6.50	11.0	12.0	10.0				5.50	18.0	14.0
R47	0.47	21.0	6.80	6.00	14.0	9.50	7.50	9.00	12.0	10.5	8.50	15.0	11.0
R56	0.56				16.0	9.00	7.00	10.0	11.0	9.50			
R68	0.68	36.0	6.00	4.70	18.0	8.00	7.00				12.0	11.5	9.00
1R0	1.00	47.0	5.50	4.50	27.0	7.00	6.00	17.0	9.00	8.00	14.0	10.0	8.50
1R2	1.20				27.0	6.50	6.00				16.0	9.50	8.50
1R5	1.50	75.0	4.00	3.25	46.0	5.50	5.00	26.0	8.00	7.50	25.0	9.00	8.20
2R2	2.20	83.5	3.00	2.75	58.0	5.00	4.50	35.0	6.00	5.00	29.0	7.00	7.00
3R3	3.30				87.0	3.50	3.30	58.0	4.80	4.50	38.0	6.00	5.50
4R7	4.70	195	2.20	1.80	98.0	3.20	2.80	85.0	4.00	3.50	60.0	4.60	4.50
6R8	6.80				175	2.50	2.40	120	3.40	2.80	90.0	3.60	3.50
100	10.0				282	2.00	1.60	155	2.50	2.50	125	3.50	3.20
220	22.0				363	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	±0.20	±0.20	REF	REF	REF	REF	REF
FAHPI0412	4.40	4.20±0.25	1.00	0.80	2.00	2.50	1.50	2.20
FAHPI0420	4.40	4.20±0.25	1.80	0.80	2.00	2.50	1.50	2.20
FAHPI0518	5.40	5.20	1.60	1.20	2.20	2.50	1.90	2.20
FAHPI0530	5.40	5.20	2.80	1.20	2.20	2.50	1.90	2.20