

SMD POWER INDUCTORS FAHPI1240-1260 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 devices
SSD modules

CENERAL SPECIFICATIONS:

Test Frequency(Voltage):100KHz/1.0V
Parameters Test Temp:25°C
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

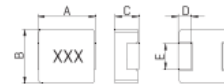
ELECTRICAL CHARACTERISTICS:

Stamp	Inductance (μH)	FAHPI1240			FAHPI1250			FAHPI1260		
		DCR (mohm) Max	Isat (A)	Irms (A)	DCR (mohm) Max	Isat (A)	Irms (A)	DCR (mohm) Max	Isat (A)	Irms (A)
R15	0.15									
R22	0.22	0.90	50.0	42.0	0.70	75.0	50.0			
R30	0.30									
R36	0.36				0.85	50.0	42.0			
R47	0.47	2.00	48.0	33.0						
R50	0.50				1.15	48.0	38.0			
R56	0.56									
R68	0.68	3.50	47.0	28.0	1.55	46.0	33.0			
R80	0.80									
R82	0.82	4.50	40.0	28.0	1.67	39.0	30.0			
1R0	1.00	7.50	35.0	24.0	2.20	35.0	26.0			
1R5	1.50	9.50	30.5	20.0	3.20	33.0	23.0			
2R2	2.20	11.5	26.0	18.0	5.00	24.0	15.0			
3R3	3.30	13.0	21.0	15.0	7.00	22.0	14.0			
4R7	4.70	14.5	18.0	13.0	9.00	20.0	13.0	9.00	24.0	15.0
5R6	5.60							11.0	22.5	13.0
6R8	6.80	20.0	14.0	9.00	18.0	16.0	12.0	13.5	19.0	12.0
8R2	8.20							16.0	13.5	11.0
100	10.0	25.0	10.0	8.00	22.0	12.0	9.00	20.7	12.5	10.0
120	12.0							23.0	10.0	9.00
150	15.0	39.0	7.50	6.50	30.0	10.0	8.00	29.0	9.00	8.50
180	18.0							35.0	8.00	7.50
220	22.0	51.0	6.00	4.50	58.0	6.50	4.50	39.5	7.50	7.00
270	27.0							56.0	6.50	6.00
330	33.0				84.0	6.00	3.50	75.0	6.00	5.50
470	47.0				130	5.00	3.00	90.0	5.50	5.50
680	68.0							140	4.50	4.00
101	100							200	3.50	3.00
121	120							235	3.20	2.00
151	150							350	2.70	1.50

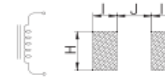
Note: When ordering, please specify tolerance code: Tolerance K=+10%, M=+20%, N=-30%
Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us

SERIES	E(REF)	DIMENSIONS			
		E	H	I	J
FAHPI1240	3.85	R22/R47			
	5.00	R88/R82/1R0/1R5/2R2/3R3/4R7/6R8/100/150/220			
FAHPI1250	3.85	R22/R36/R50/R68/R82/1R0/1R5/2R2			
	5.00	3R3/4R7/6R8/100/150/220/330/470			

SHAPE AND DIMENSIONS



ELECTRICAL SCHEMATIC & PAD LAYOUT



DIMENSIONS:MM

TYPE	A	B	C	D
	±0.35	±0.30	±0.20	REF
FAHPI1240	13.45	12.8±0.5	3.80	2.00
FAHPI1250	13.45	12.6	4.80	2.00
FAHPI1260	13.45	12.6	5.80	2.00

TYPE	E	H	I	J
	REF	REF	REF	REF
FAHPI1240	See Remarks	5.50	3.25	8.00
FAHPI1250	See Remarks	5.50	3.25	8.00
FAHPI1260	5.00	5.50	3.25	8.00