Wire Wound SMD Power Inductors HPWL-DRRH Series

FEATURES

- Various high power inductors are superior high saturation
- Suitable for surface mounting equipment

APPLICATIONS

- Power supply choke for small electrical equipments such as VTR, LCD display, Notebook, communication equipment, and so on.

PRODUCT IDENTIFICATION

HPWL	-	FR	RH	2D11	T	1R2	N	F	XX
A		B	C	D	E	F	G	H	I

A

Type	
HPWL	Wire Wound SMD Type Power Inductor

B

FH	Material
F= ferrite	R type

C

Base type
metallic

D

External Dimensions
2D11~3D16

E

Packing	
T	Tape and reel

F

Nominal Inductance	
Example	Nominal Value
1R2	1.2μH
101	100μH

G

Inductance Tolerance	
M	±20%
N	±30%

H

Hazardous Substance Free Products
F

I

Internal code
XX

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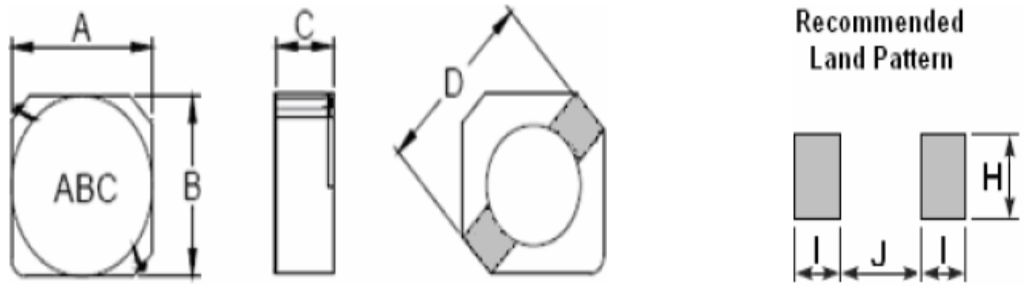
http:www.ftind.com

SHAPE AND DIMENSIONS



Unit: mm

Series	A Max.	B Max.	C Max.	D Typ.	I Typ.	J Typ.	H Typ.
HPWL-FRRH2D11	3.3	3.3	1.3	4.4	1.3	1.7	1.3
HPWL-FRRH2D14	3.3	3.3	1.6	4.4	1.3	1.7	1.3
HPWL-FRRH2D18	3.3	3.3	2.1	4.4	1.3	1.7	1.3
HPWL-FRRH3D11	4.2	4.2	1.3	5.5	1.4	2.4	1.5
HPWL-FRRH3D14	4.2	4.2	1.6	5.5	1.4	2.4	1.5
HPWL-FRRH3D16	4.2	4.2	1.8	5.5	1.4	2.4	1.5

SPECIFICATIONS

HPWL-FRRH2D11 TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
HPWL-FRRH2D11T1R2NF	1.2±30%	100k, 0.3V	0.068	0.90
HPWL-FRRH2D11T2R2NF	2.2±30%	100k, 0.3V	0.098	0.78
HPWL-FRRH2D11T3R3NF	3.3±30%	100k, 0.3V	0.123	0.60
HPWL-FRRH2D11T4R7NF	4.7±30%	100k, 0.3V	0.170	0.50
HPWL-FRRH2D11T6R8NF	6.8±30%	100k, 0.3V	0.260	0.44
HPWL-FRRH2D11T100MF	10±20%	1k, 0.3V	0.400	0.35

HPWL-FRRH2D14 TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
HPWL-FRRH2D14T1R5NF	1.5±30%	100k, 0.3V	0.063	1.80

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SPECIFICATIONS

HPWL-FRRH2D14 TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
HPWL-FRRH2D14T1R8NF	1.8±30%	100k, 0.3V	0.075	1.65
HPWL-FRRH2D14T2R2NF	2.2±30%	100k, 0.3V	0.094	1.50
HPWL-FRRH2D14T2R7NF	2.7±30%	100k, 0.3V	0.106	1.35
HPWL-FRRH2D14T3R3NF	3.3±30%	100k, 0.3V	0.125	1.20
HPWL-FRRH2D14T3R9NF	3.9±30%	100k, 0.3V	0.138	1.10
HPWL-FRRH2D14T4R7NF	4.7±30%	100k, 0.3V	0.169	1.00
HPWL-FRRH2D14T5R6NF	5.6±30%	100k, 0.3V	0.188	0.95
HPWL-FRRH2D14T6R8NF	6.8±30%	100k, 0.3V	0.213	0.85
HPWL-FRRH2D14T8R2NF	8.2±30%	100k, 0.3V	0.281	0.80
HPWL-FRRH2D14T100MF	10±20%	1k, 0.3V	0.294	0.70
HPWL-FRRH2D14T120MF	12±20%	1k, 0.3V	0.394	0.62

HPWL-FRRH2D18 TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
HPWL-FRRH2D18T2R2NF	2.2±30%	100k, 0.3V	0.041	0.85
HPWL-FRRH2D18T3R3NF	3.3±30%	100k, 0.3V	0.054	0.75
HPWL-FRRH2D18T4R7NF	4.7±30%	100k, 0.3V	0.078	0.63
HPWL-FRRH2D18T6R8NF	6.8±30%	100k, 0.3V	0.106	0.52
HPWL-FRRH2D18T100MF	10±20%	1k, 0.3V	0.180	0.43
HPWL-FRRH2D18T150MF	15±20%	1k, 0.3V	0.220	0.35
HPWL-FRRH2D18T220MF	22±20%	1k, 0.3V	0.320	0.30
HPWL-FRRH2D18T330MF	33±20%	1k, 0.3V	0.460	0.24
HPWL-FRRH2D18T470MF	47±20%	1k, 0.3V	0.660	0.20

SPECIFICATIONS

HPWL-FRRH3D11 TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
HPWL-FRRH3D11T2R7NF	2.7±30%	100k, 0.3V	0.078	0.50
HPWL-FRRH3D11T3R3NF	3.3±30%	100k, 0.3V	0.099	0.45
HPWL-FRRH3D11T4R7NF	4.7±30%	100k, 0.3V	0.123	0.40
HPWL-FRRH3D11T6R8NF	6.8±30%	100k, 0.3V	0.180	0.34
HPWL-FRRH3D11T8R2NF	8.2±30%	100k, 0.3V	0.204	0.32
HPWL-FRRH3D11T100MF	10±20%	1k, 0.3V	0.240	0.28
HPWL-FRRH3D11T120MF	12±20%	1k, 0.3V	0.276	0.25
HPWL-FRRH3D11T150MF	15±20%	1k, 0.3V	0.372	0.23
HPWL-FRRH3D11T180MF	18±20%	1k, 0.3V	0.468	0.21
HPWL-FRRH3D11T270MF	27±20%	1k, 0.3V	0.726	0.17
HPWL-FRRH3D11T330MF	33±20%	1k, 0.3V	0.822	0.15
HPWL-FRRH3D11T390MF	39±20%	1k, 0.3V	0.942	0.14

HPWL-FRRH3D14 TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
HPWL-FRRH3D14T1R5NF	1.5±30%	100k, 0.3V	0.055	1.85
HPWL-FRRH3D14T1R7NF	1.7±30%	100k, 0.3V	0.063	1.85
HPWL-FRRH3D14T2R2NF	2.2±30%	100k, 0.3V	0.069	1.60
HPWL-FRRH3D14T2R7NF	2.7±30%	100k, 0.3V	0.088	1.45
HPWL-FRRH3D14T3R3NF	3.3±30%	100k, 0.3V	0.100	1.35
HPWL-FRRH3D14T3R9NF	3.9±30%	100k, 0.3V	0.135	1.15
HPWL-FRRH3D14T4R7NF	4.7±30%	100k, 0.3V	0.150	1.10
HPWL-FRRH3D14T6R8NF	6.8±30%	100k, 0.3V	0.190	1.00
HPWL-FRRH3D14T8R2NF	8.2±30%	100k, 0.3V	0.238	0.82
HPWL-FRRH3D14T100MF	10±20%	1k, 0.3V	0.262	0.75
HPWL-FRRH3D14T120MF	12±20%	1k, 0.3V	0.350	0.67
HPWL-FRRH3D14T150MF	15±20%	1k, 0.3V	0.488	0.60
HPWL-FRRH3D14T220MF	22±20%	1k, 0.3V	0.575	0.52

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SPECIFICATIONS

HPWL-FRRH3D16 TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
HPWL-FRRH3D16T1R5NF	1.5±30%	100k, 0.3V	0.052	1.55
HPWL-FRRH3D16T2R2NF	2.2±30%	100k, 0.3V	0.072	1.20
HPWL-FRRH3D16T3R3NF	3.3±30%	100k, 0.3V	0.085	1.10
HPWL-FRRH3D16T4R7NF	4.7±30%	100k, 0.3V	0.105	0.90
HPWL-FRRH3D16T6R8NF	6.8±30%	100k, 0.3V	0.170	0.73
HPWL-FRRH3D16T8R2NF	8.2±30%	100k, 0.3V	0.190	0.65
HPWL-FRRH3D16T100MF	10±20%	1k, 0.3V	0.210	0.55
HPWL-FRRH3D16T150MF	15±20%	1k, 0.3V	0.295	0.45
HPWL-FRRH3D16T220MF	22±20%	1k, 0.3V	0.430	0.40
HPWL-FRRH3D16T330MF	33±20%	1k, 0.3V	0.660	0.32

※1: All test data is referenced to 20℃ ambient;

※2: The maximum rated current is a DC current which causes initial inductance to decrease by 35% or temperature to rise by 40℃, which is smaller(at ambient reference temperature: 20℃)