



FEATURES

- ◆ Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
- ◆ Metallization on ferrite core results in excellent shock resistance and damage-free durability
- ◆ Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- ◆ Subface electrodes, appropriate for SMT

APPLICATIONS

- ◆ Patch Filter
- ◆ Noise suppression for power line or large current signal of electric equipments such as computers and peripheral devices, DVD cameras, LCD TV, communication equipments, OA equipments, etc

PRODUCT IDENTIFICATION

HPWB — FH U 3015 T Z151 M F XX
 A B C D E F G H I

A

Type	
HPWB	wire wound chip Ferrite Bead for Large current
B	

B

F	Material
F=ferrite	H type

C

Feature code	
U	Large current

D

External Dimensions (L×W) (mm)	
3015	3.0 X 3.0 X 1.5

E

Packing	
T	Tape & Reel

F

Nominal Impedance	
Example	Nominal Value
Z3R3	3.3Ω
Z151	150Ω

G

Impedance Tolerance	
N	±30%
M	±20%

H

Hazardous Substance Free Products	
F	

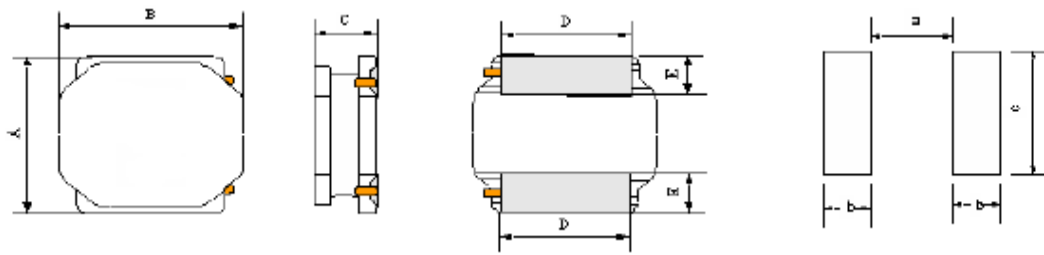
I

Internal Code	
XX	

The data is reference only. Customers should verify actual device performance in their specific applications. Specifications are subject to change without notice. Please check our website for latest information. <http://www.ftind.com>



SHAPE AND DIMENSIONS



Type	A	B	C	D	E	a	b	c
HPWB-FHU3015	3.0±0.2	3.0±0.2	1.5Max.	2.5±0.2	0.75±0.2	1.5Typ.	0.8Typ.	2.7Typ.

SPECIFICATIONS

HPWB-FHU3015 TYPE

Part Number	Impedance	DC Resistance		Heat Rating Current		Marking
	1MHz, 1V	Max.	Typ.	※1 Ambient temperature 85℃	※2 Ambient temperature 105℃	
Units	Ω	Ω	Ω	mA	mA	
Symbol	Z	DCR		I _{rms}		-
HPWB-FHU3015TZ3R3NF	3.3±30%	0.019	0.016	2900	1500	N/A
HPWB-FHU3015TZ6R8NF	6.8±30%	0.040	0.033	2500	1380	N/A
HPWB-FHU3015TZ8R4NF	8.4±30%	0.048	0.040	2400	1360	N/A
HPWB-FHU3015TZ9R8NF	9.8±30%	0.048	0.040	2100	1110	N/A
HPWB-FHU3015TZ120NF	12±30%	0.060	0.050	1850	910	N/A
HPWB-FHU3015TZ190NF	19±30%	0.084	0.070	1800	900	N/A
HPWB-FHU3015TZ210NF	21±30%	0.115	0.096	1550	800	N/A
HPWB-FHU3015TZ310NF	31±30%	0.115	0.096	1200	610	N/A
HPWB-FHU3015TZ520NF	52±30%	0.276	0.230	1100	550	N/A
HPWB-FHU3015TZ650NF	65±30%	0.276	0.230	900	450	N/A
HPWB-FHU3015TZ101NF	100±30%	0.468	0.390	900	330	N/A
HPWB-FHU3015TZ151NF	150±30%	0.768	0.640	490	300	N/A

Note:※1: When applied rated current to the Products, temperature rise caused by self heating will be 40 °C or less.

※2: When applied rated current to the Products, temperature rise caused by self heating will be 20 °C or less.

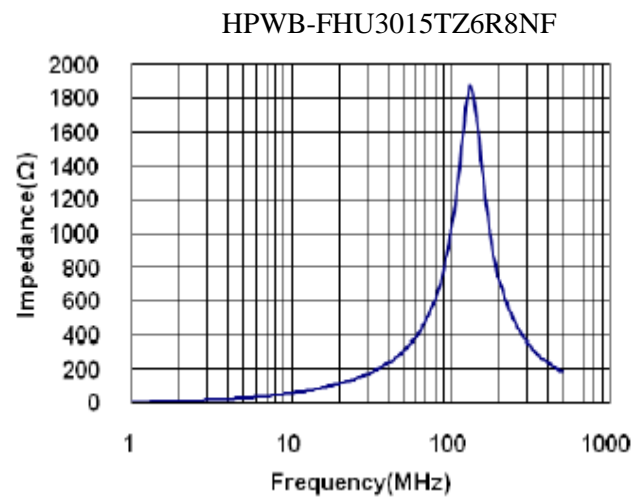
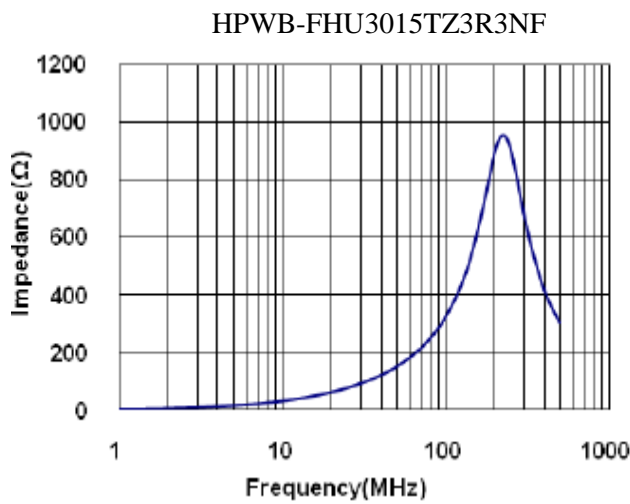
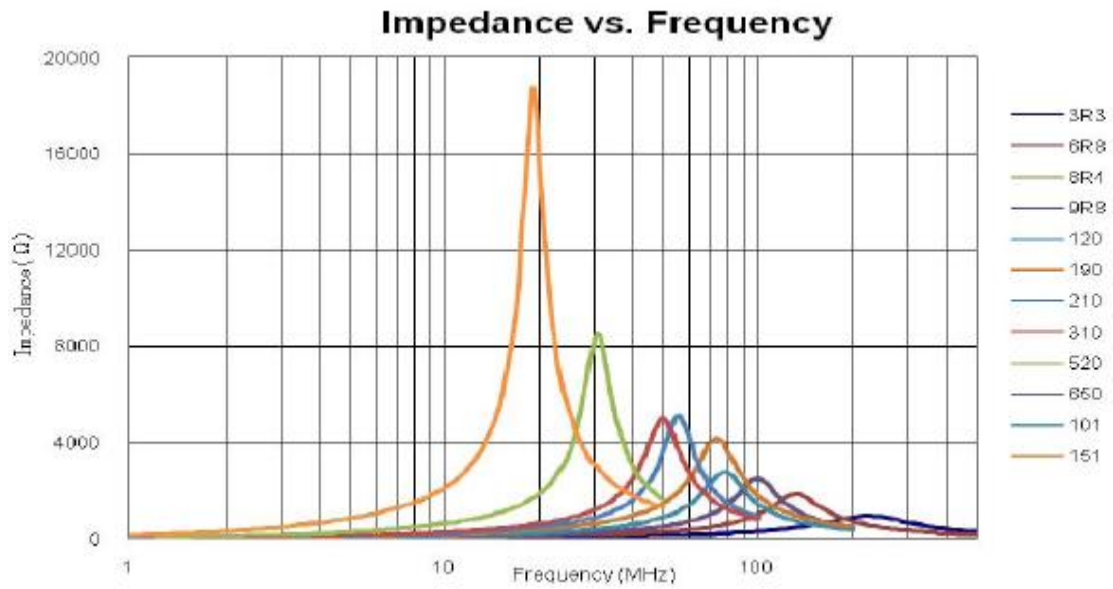
The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions. Circuit component placement, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. temperature should be verified in the end application.

The data is reference only. Customers should verify actual device performance in their specific applications. Specifications are subject to change without notice. Please check our website for latest information. <http://www.ftind.com>



TYPICAL ELECTRICAL CHARACTERISTICS

HPWB-FHU3015 Series

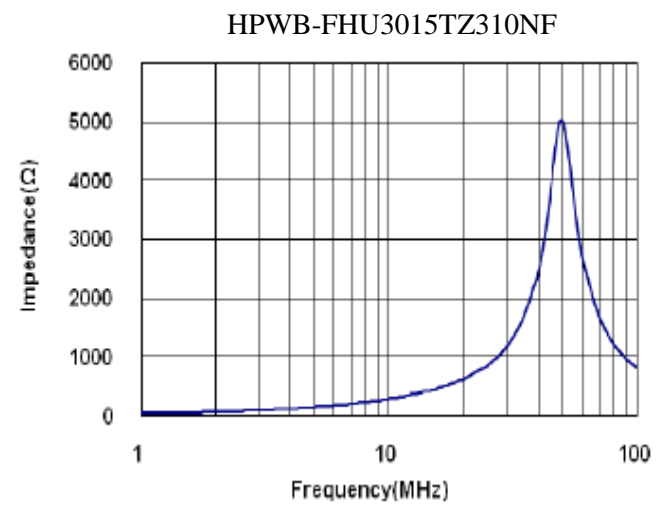
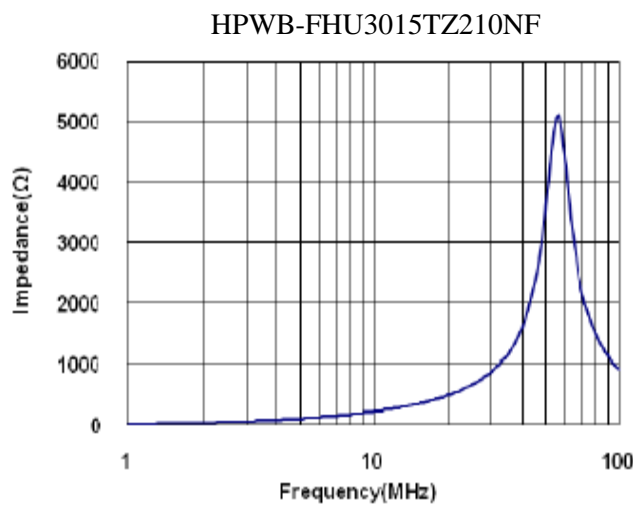
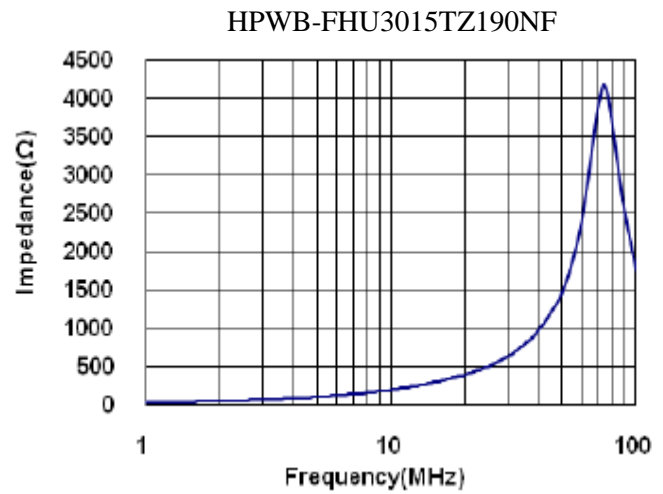
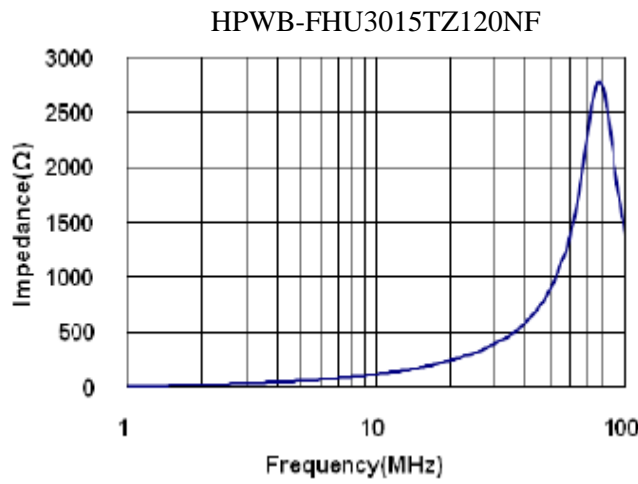
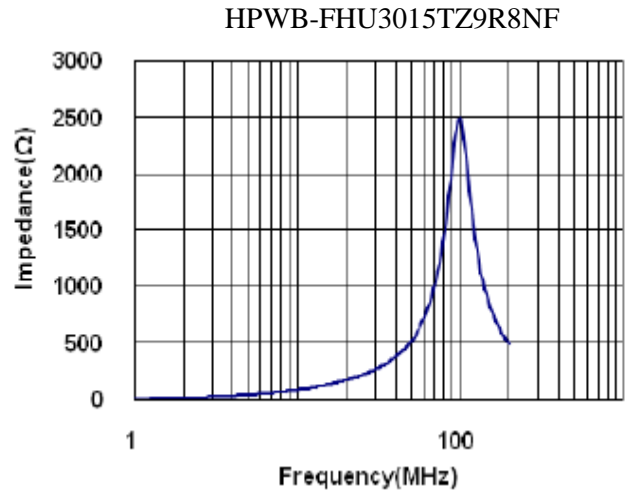
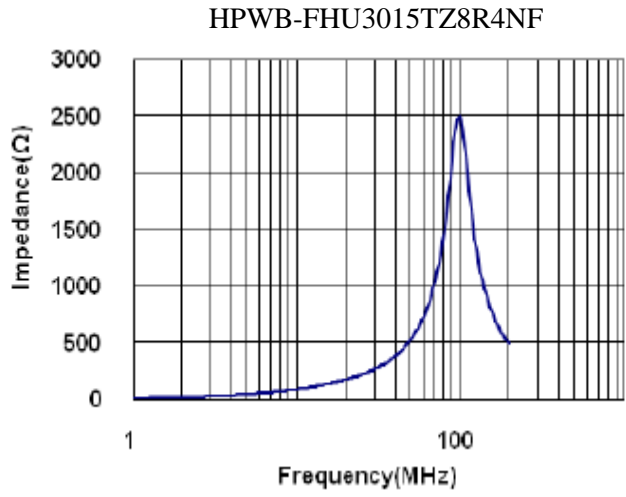


The data is reference only. Customers should verify actual device performance in their specific applications. Specifications are subject to change without notice. Please check our website for latest information. <http://www.ftind.com>



TYPICAL ELECTRICAL CHARACTERISTICS

HPWB-FHU3015 Series

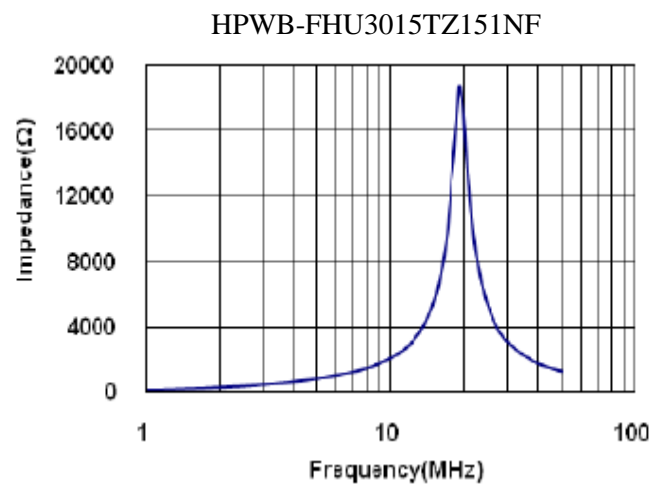
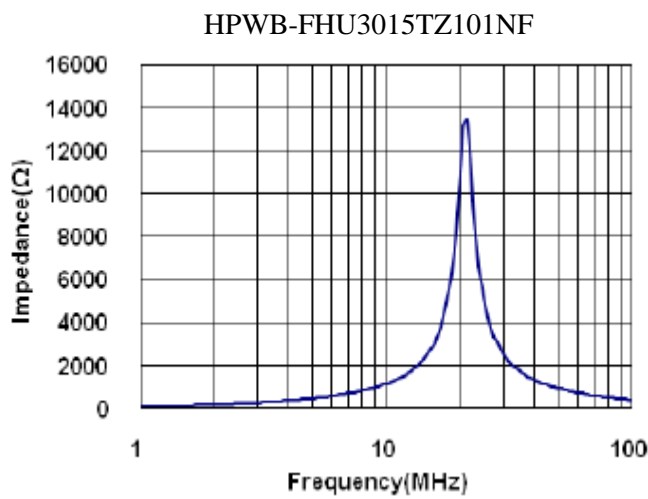
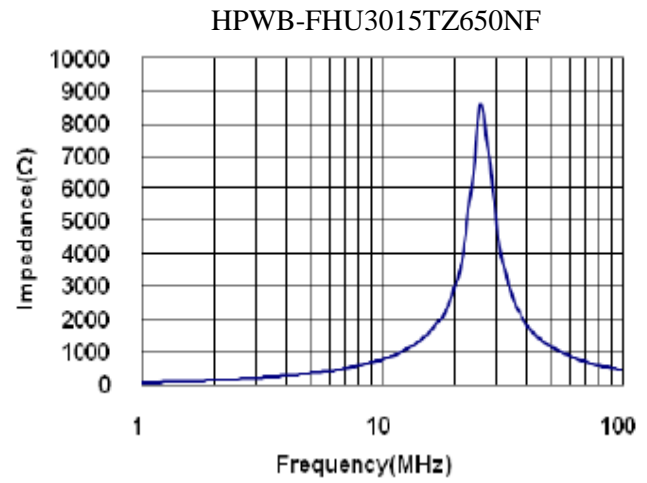
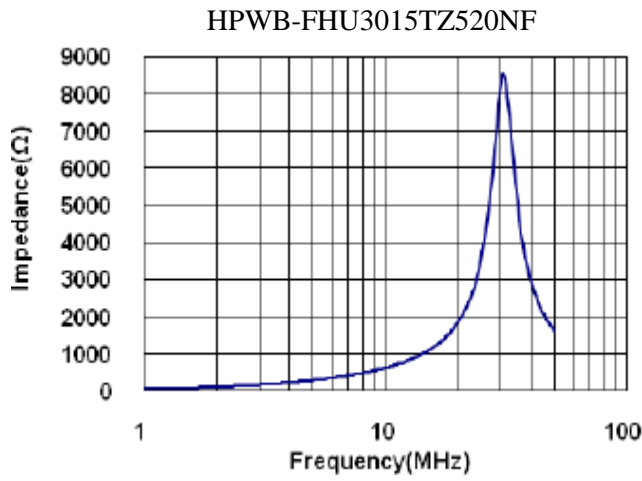


The data is reference only. Customers should verify actual device performance in their specific applications. Specifications are subject to change without notice. Please check our website for latest information. <http://www.ftind.com>



TYPICAL ELECTRICAL CHARACTERISTICS

HPWB-FHU3015 Series



The data is reference only. Customers should verify actual device performance in their specific applications. Specifications are subject to change without notice. Please check our website for latest information. <http://www.ftind.com>