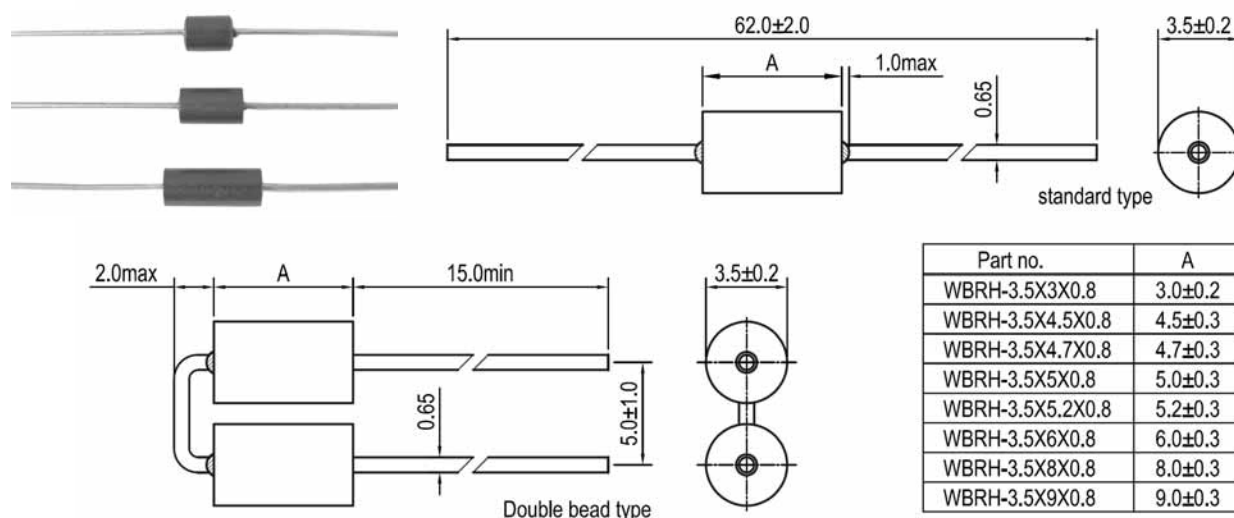




EMC SUPPRESSORS / FERRITE BEADS

WBRH TYPE

Shape and Size :(Dimension are in mm)



Features :

- Through hole leaded ferrite bead.
- Most economical component for through hole applications requiring discrete signal filtering.
- Higher current carrying capability than surface mount devices.
- Tape and reel packaging for automatic insertion.

Ordering Information :

WBRH - 3.5 X 4.7 X 0.8 - T5

(1) (2) (3) (4) (5)

- (1) Type: **Wide Band** chokes used **RH** type core.
- (2) Core outside diameter: 3.5mm .
- (3) Core length: 4.7 mm .
- (4) Core inside Diameter: 0.8 mm .
- (5) Package: "T5":Tape, or "TF" Tape; No code: Bulk.

Characteristics :

- Impedance ranges: 40 Ohms to 200 Ohms.(@100MHz)
- Frequency ranges : 1MHz to 500MHz.
- Rated current: 3.0 Amps max.
- Operating temperature : -20 °C to 80 °C.

Applications :

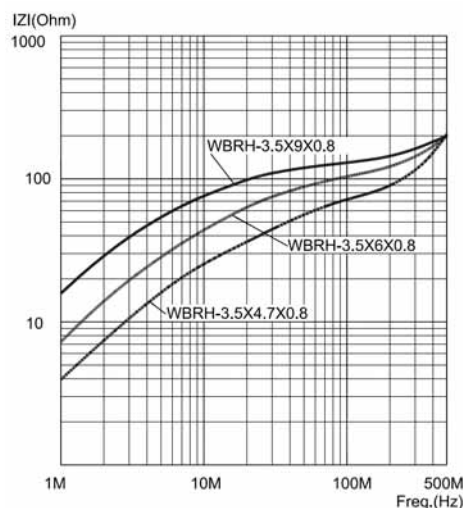
- Filtering of power input pins of oscillators or logic devices using high speed clocks .
- Filtering of low frequency input / output signals

Test equipment :

Impedance: HP4191A RF Impedance analyzer.

Part No.	Z @25MHz (Ohm) Min	Z @100MHz (Ohm) Min
WBRH-3.5X3X0.8	20	40
WBRH-3.5X4.7X0.8	20	50
WBRH-3.5X5X0.8	30	60
WBRH-3.5X5.25X0.8	30	60
WBRH-3.5X6X0.8	40	60
WBRH-3.5X8X0.8	50	85
WBRH-3.5X9X0.8	60	90
WBRH-3.5X6X0.8X2	80	120
WBRH-3.5X9X0.8X2	100	160

Impedance to Frequency curve

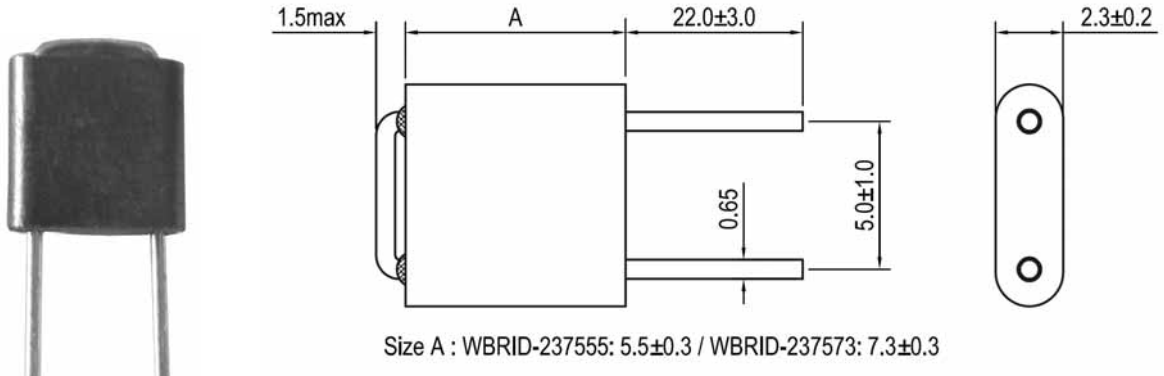




EMC SUPPRESSORS / FERRITE BEADS

WBRID 237555 / 237573 TYPE

Shape and Size :(Dimension are in mm)



Features :

- Low loss ferrite material.
- Easy mounting on PC board.
- Available in a wide range of values and configurations to suit most applications.
- Tape packaging for automatic insertion.

Ordering Information :

WBRID - 237555 - H7S - TF8

(1) (2) (3) (4)

- (1)Type : **Wide Band** chokes used **RID** type core.
 (2) Style : Core W=7.5mm ; L= 5.5mm.
 (3) Core material : For H7S or equal core.
 (4) Packing : Taping; No code: Bulk.

Characteristics :

- Impedance ranges: 120Ohms to 300Ohms.(@100MHz)
- Frequency ranges : 1MHz to 500MHz.
- Rated current : 3.0 Amps max.
- Operating temp. : -25°C to 85°C .

Applications :

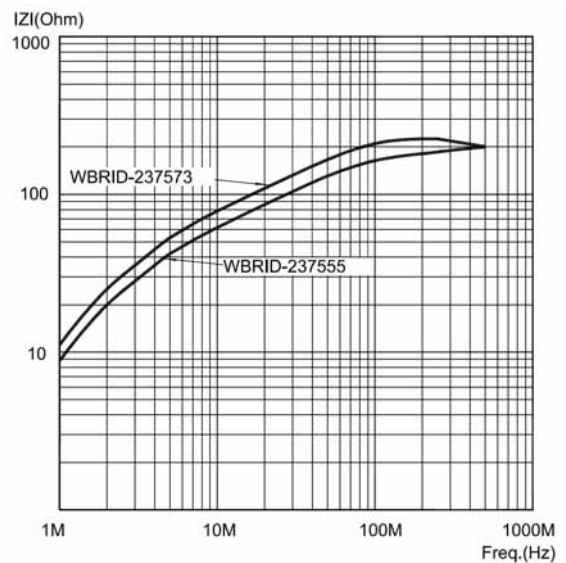
- EMI filters.
- Wave for Correction of Digital Signals.
- Absorption of High Frequency Noise from data Lines.

Test equipment :

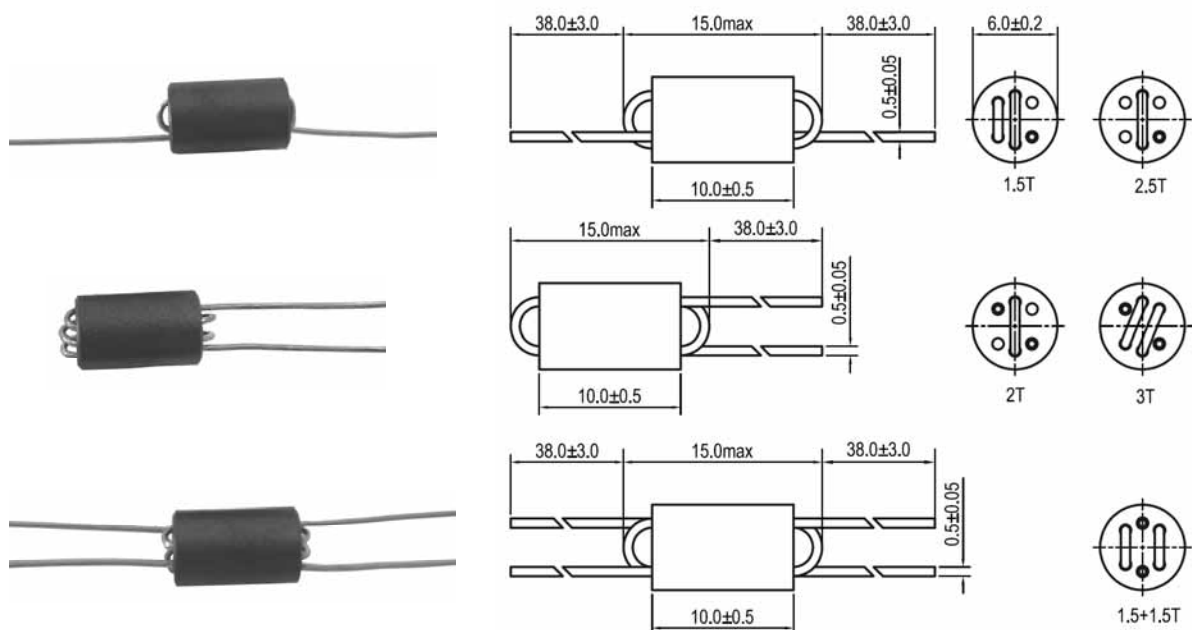
Impedance: HP4191A RF Impedance analyzer.

Part No.	Z (Ohm) Min		
	25MHz	100MHz	300MHz
WBRID-237555-H7S-TF8	70	120	140
WBRID-237573-H7S-TF8	90	160	165

Impedance to Frequency curve



Shape and size : (Dimensions are in mm)



Features :

- Compact , medium current (up to 3 Amps) high impedance EMI suppression component.
- Five turn configurations can provide impedance higher than 600 ohms.

Ordering information :

WBR6H - 2.5T - H6A

(1) (2) (3)

(1) Type : **Wide Band** chokes used **R6H** type core.

(2) Number of turns.

(3) Core material : H6A ; HGB ; Y2F; or equal core.

Characteristics :

- Impedance ranges: 200Ohm to 1500Ohm. (@100MHz)
- Frequency ranges : 1MHz to 300MHz.
- Rated current : 3.0 Amps max.
- Operating temperature : -20 to 80 .
- **Test equipment :**
Impedance : HP 4191A RF Impedance Analyzer.

Applications :

- Power and signal filtering.
- High frequency board band transformers (balun core devices) .

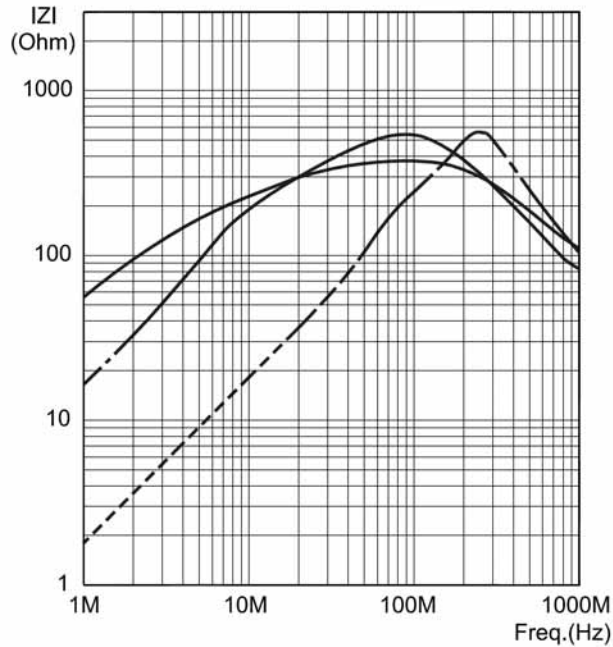
Turns	Materials	Z(Ohm) Min	Freq.(MHz)
1.5T	H6A	280	120
	HGB	300	180
	Y2F	360	250
2T	H6A	400	50
	HGB	480	100
	Y2F	600	180
2.5T	H6A	600	50
	HGB	600	100
	Y2F	680	180
3T	H6A	680	50
	HGB	680	100
	Y2F	600	180
1.5+1.5T	H6A	600	50
	HGB	600	100
	Y2F	560	180



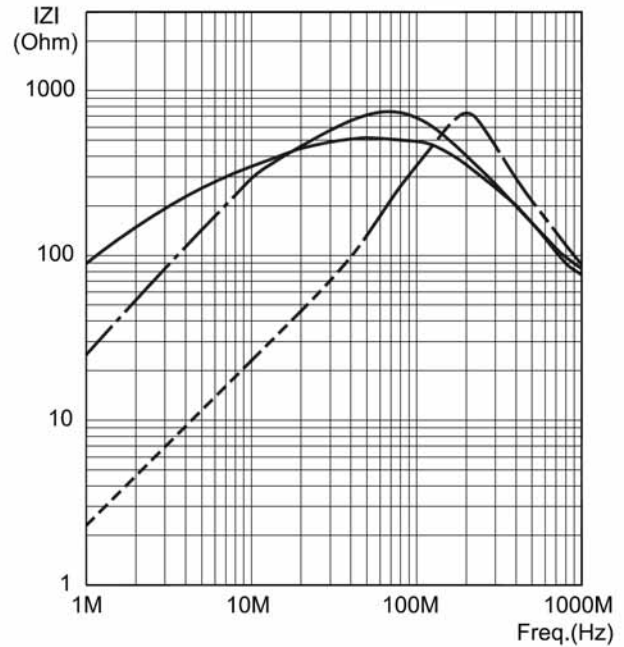
EMC SUPPRESSORS / FERRITE BEADS

WBR6H TYPE

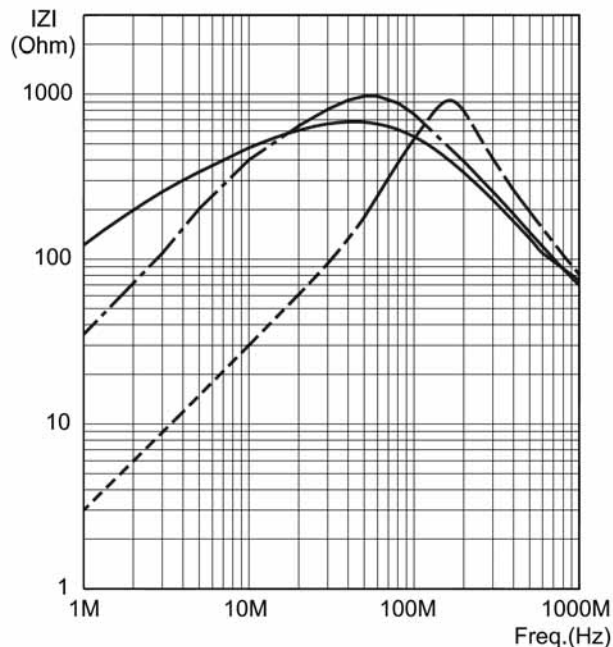
Impedance to Frequency curve :



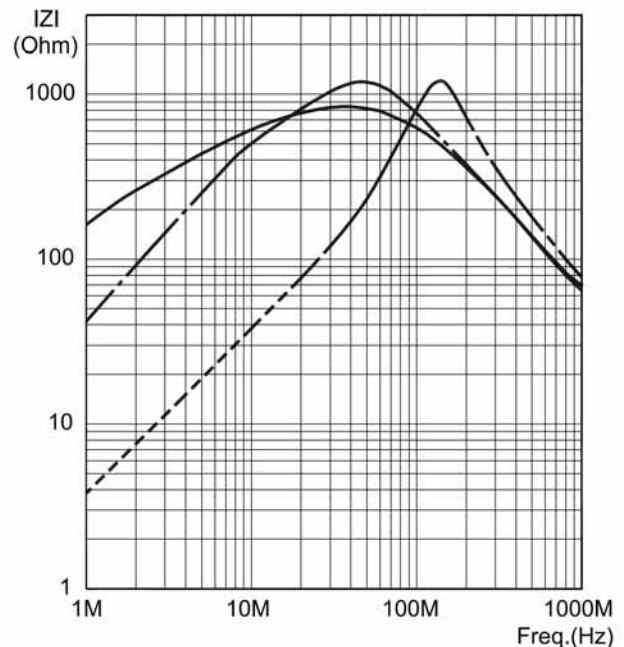
1.5T Impedance curve



2T Impedance curve



2.5T Impedance curve



3T Impedance curve

Core material: ——— H6A

- · - · - HGB

----- Y2F