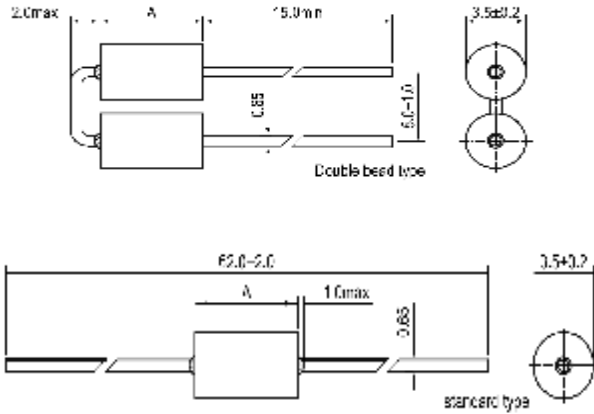




WBRH SERIES

WIDE BAND CHOKES.

Shape and Dimensions(unit:mm) :



3L N / P	A
WBRH-3.5X3X0.8	3.0±0.3
WBRH-3.5X4.5X0.8	4.5±0.3
WBRH-3.5X4.7X0.8	4.7±0.3
WBRH-3.5X5X0.8	5.0±0.3
WBRH-3.5X5.25X0.8	5.25±0.3
WBRH-3.5X6X0.8	6.0±0.3
WBRH-3.5X8X0.8	8.0±0.3
WBRH-3.5X9X0.8	9.0±0.3

Applications :

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

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 auto- insertion.

Characteristics :

- Impedance ranges: 40 Ωs to 200Ωs.(@100MHz)
- Frequency ranges : 1MHz to 500MHz.
- Rated current: 3.0 Amps max.
- Operating temperature : -25 °C to 85 °C.

Part No.	Z @25MHz (Ω) Min.	Z @100MHz (Ω) 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

Product Identification :

WBRH - 3.5 X 4.7 X 0.8 - T5

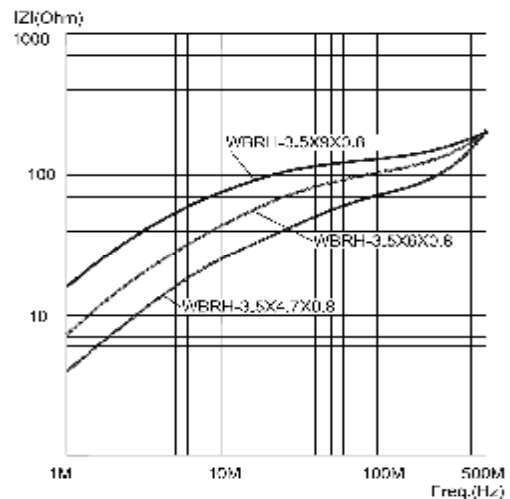
(1) (2) (3) (4) (5)

- Type: **Wide Band** chokes used **RH** type core.
- Core OD: **3.5mm**.
- Core length: **4.7mm**.
- Core ID: **0.8 mm** .
- Package: "**T5**": Tape, or "TF" Tape; No code: Bulk.

Test equipment :

- Impedance: HP4191A RF Impedance Analyzer.
- Electrical specifications at 25°C .

Impedance & Frequency curve





WBRID SERIES

WIDE BAND CHOKES USED RID TYPE CORE.

Applications :

EMI filters

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

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 auto- insertion.

Characteristics :

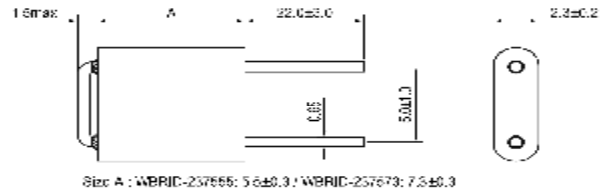
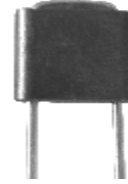
- Impedance ranges:120Ωs to 300Ωs.(@100MHz)
- Frequency ranges : 1MHz to 500MHz.
- Rated current : 3.0 Amps max.
- Operating temp. : -25°C to 85°C.

Test equipment :

Impedance: HP4191A RF Impedance analyzer.

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

Shape and Dimensions(unit:mm) :



Product Identification :

WBRID - 237555 - H7S - TF8

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

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

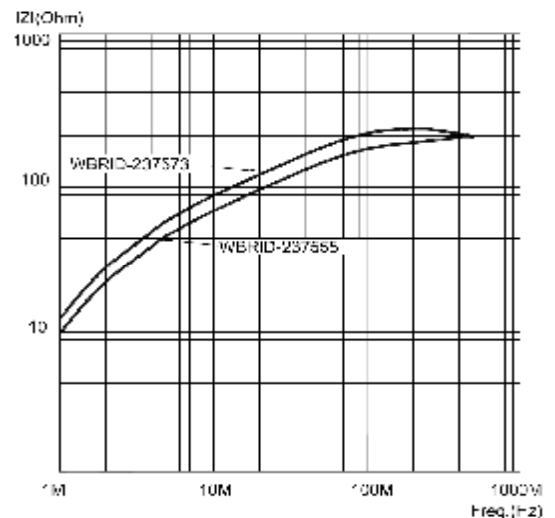
(2) Style: Core size

T=2.3mm; W=7.5mm; L= 5.5mm.

(3) Core material: For **H7S** or equal core.

(4) Packing: **Taping**; No code: **Bulk**.

Impedance & Frequency curve



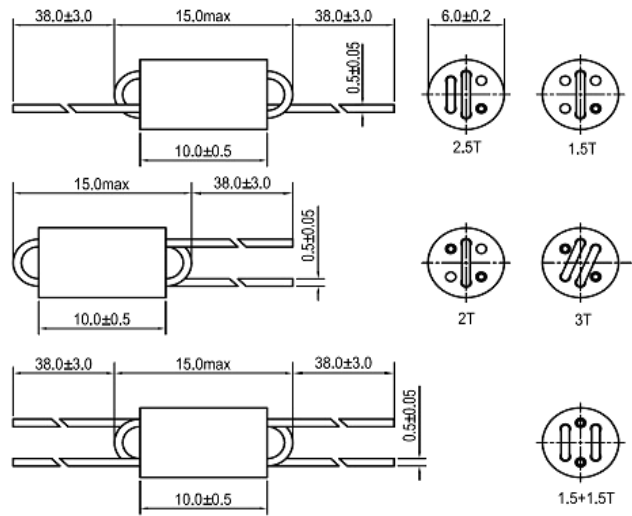
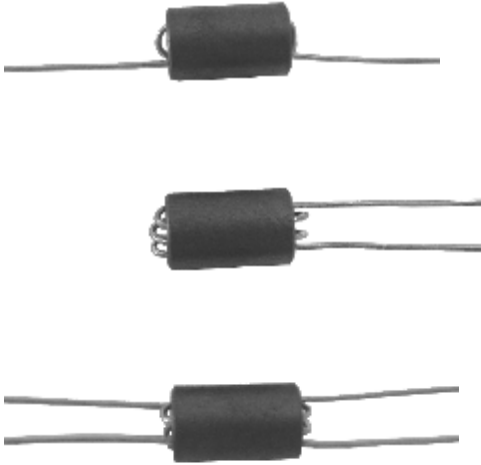
* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.



WBR6H SERIES

WIDE BAND CHOKES USED R6H TYPE CORE

Shape and size(unit: mm):



Features:

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

Product Identification:

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: 200Ω to 1500Ω @100MHz
- Frequency ranges : 1MHz to 300MHz.
- Rated current : 3.0 Amps max.
- Operating temperature : -25 °C to 85 °C.

Test equipment:

Impedance: HP 4191A RF Impedance Analyzer.

Applications:

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

Turns	Materials	Z(Ω) 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

Impedance & Frequency Curve

