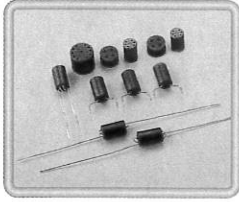


# R6H Wide Band Choke Cores

\*The other specification can be designed & produced also.



**Balun Cores**  
Core-Tech's balun cores offers a versatile, compact and economical solution to a variety of RF challenges.

## ● Ordering Code

R6H 6X10 - 13 - 1.5Ts  
(1) (2) (3) (4)

(1) Type Code (3) Design Code  
(2) OD. X Length (core) (4) Winding

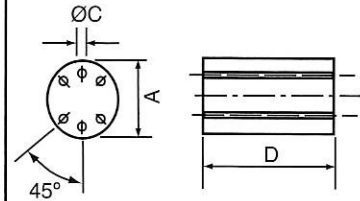
## EMI Suppression products (wide band chokes)

**Outline:** SMD Wide-band chokes are an alternative to a SMD bead when more impedance or damping is required.

**Features:** The design for this product is based on our well known range of through-hole wide-band chokes. In these products the conductor wire is wound through holes in a Multi-Hole Ferrite cores., thus separating them physically and reducing coil capacitance. The result is a high impedance over a wide frequency range, a welcome feature for many interference problems.

**Applications:** Used in PC boards To filter The EMI from the outside. For Radio, Telephone, and TV. Small motor ignition devices, computer disk drivers and communication equipments. Wire threaded is depend on customer configuration.

## ● Shapes



## ● Dimensions

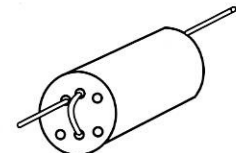
øA	D	øC
6±0.25	10±0.4	0.8±0.1

## ● Electrical Characteristics

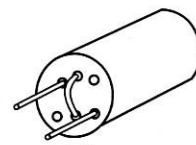
Unit: mm

No	Item	Winding	Wire Size (T.C.W.)	Impedance (Ω) min				(Z, Rs, XL)-f Curve
				10MHz	25MHz	100MHz	200MHz	
1	R6H 6X10 -13	1.5	0.57	150	250	390		Fig 1
2	R6H 6X10 -04	1.5	0.57		210	470	340	Fig 2
3	R6H 6X10 -13	2	0.57	200	350	480		Fig 3
4	R6H 6X10 -04	2	0.57		330	570	300	Fig 4
5	R6H 6X10 -13	2.5	0.57	280	495	540		Fig 5
6	R6H 6X10 -04	2.5	0.57		415	640	295	Fig 6
7	R6H 6X10 -13	2X1.5	0.57	150	250	380		Fig 7
8	R6H 6X10 -04	2X1.5	0.57		200	450	320	Fig 8
9	R6H 6X10 -13	3	0.50	355	640	535		Fig 9
10	R6H 6X10 -04	3	0.50		515	630	275	Fig 10

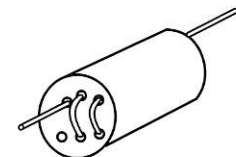
## ● Winding Diagram



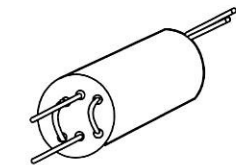
1.5TS



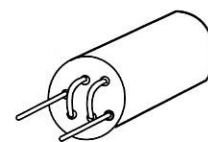
2 TS



2.5TS



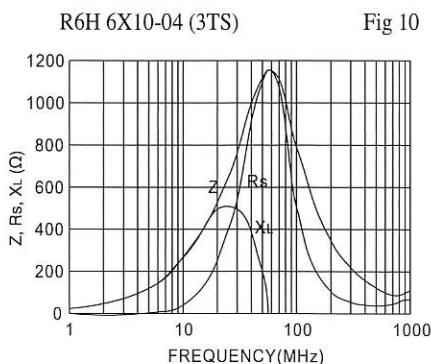
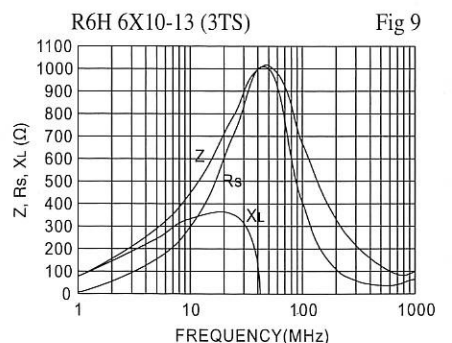
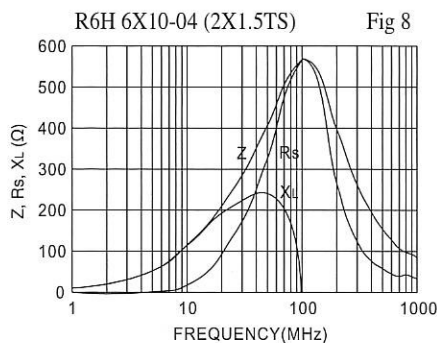
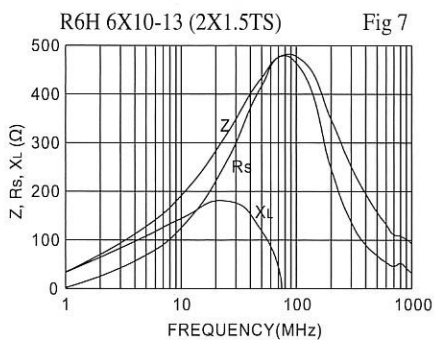
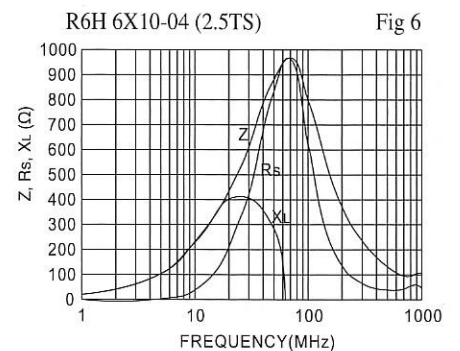
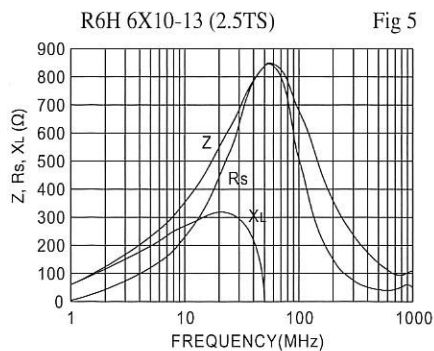
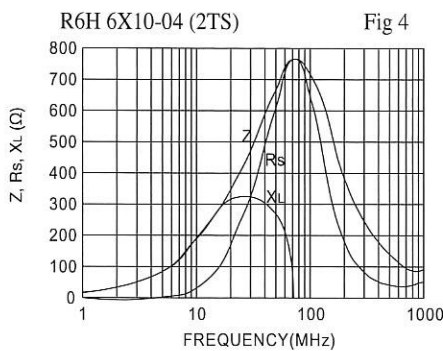
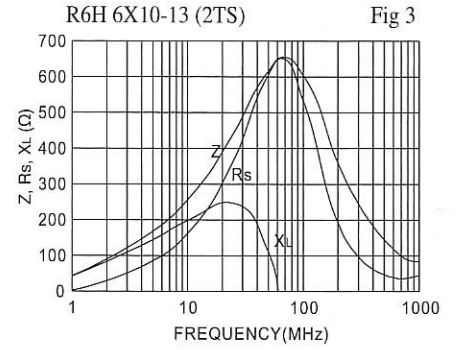
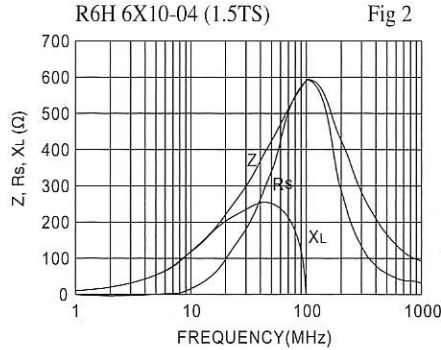
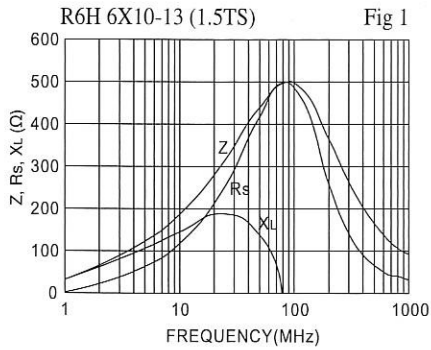
2 X 1.5TS



3TS

# R6h Wind Band Choke Cores

\*The other specification can be designed & produced also.



**Prodin Ferrite S.L.**

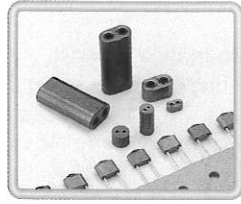
Calle A, 27, 08620 Sant Vicenç dels Horts, Barcelona (Spain)

Tel.: +34 93 672 46 10

[info@prodinferrite.com](mailto:info@prodinferrite.com) [www.prodinferrite.com](http://www.prodinferrite.com)

# Balun Cores

\*The other specification can be designed & produced also.



## ● Ordering Code

RID 4.1 x 6.6 x 7 H1.8  
(1) (2) (3) (4) (5)

(1) Type Code (4) B Size  
(2) A Size (5) ØC Size  
(3) D Size

**Outline:** Multi-aperture cores are used in Balun(balance-unbalance) transformers and find wide application as broadband transformers in communication and CATV circuits. Multi-Holes are used for small HF transformers, for voltage or impedance matching in TV, communications, data transmission, instrumentation and similar applications. They are available with 2 and 6 holes, in round and rectangular shapes.

**Features:** Wide range of shapes, several grades, for HF matching and suppression. High saturation flux density and low losses at the normal working conditions.(100-500khz at 80-120°c). The slots in the rods decreases the eddy current losses and have an additional cooling effect.

**Application:** Impedance coils for industrial HF welding equipment, TV communications, Data transmission, Power line filter.

## ● Shape

Fig. 1

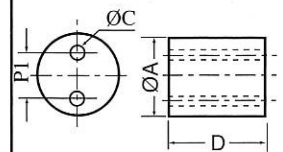


Fig. 2

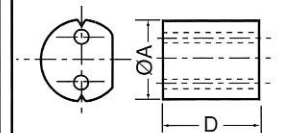


Fig.3

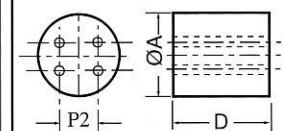
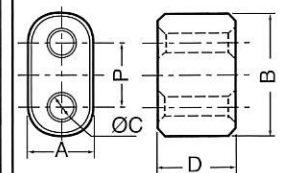


Fig. 4



## ● Dimensions

Unit: mm

NO	ITEM	øA/A	B	øC	D	P1/P	P2	Fig
1	RHH 6x3.3 H1.3	6±0.2		1.3±0.1	3.3±0.2	2.6±0.1		1
2	RHH 6x6 H1.3	6±0.2		1.3±0.1	6±0.2	2.6±0.1		1
3	RHH 6x12 H1.2	6±0.2		1.2±0.1	12±0.6	2.6±0.1		1
4	RHH 7.22x5.54 H1.4	7.22±0.5		1.4±0.1	5.54±0.5	2.7±0.1		2
5	R4H 6x7 H1.4	6±0.2		1.4±0.1	7±0.3	2.2±0.1	2.2±0.1	3
6	R4H 6.6x12 H1.3	6±0.3		1.3±0.1	12±0.6	2.2±0.1	2.2±0.1	3
7	R4H 8x5 H1.2	8±0.3		1.2±0.1	5±0.3	3±0.2	3±0.2	3
8	R4H 8x7 H1.4	8±0.3		1.4±0.1	7±0.2		3±0.2	3
9	RID 2x1.3x3.45 C0.75	2±0.15	3.45±0.25	0.75±0.1	1.3±0.15	1.45±0.1		4
10	RID 2x2.25x3.45 C0.75	2±0.15	3.45±0.25	0.75±0.1	2.25±0.15	1.45±0.1		4
11	RID 2.5x5x7.5 H0.8	2.5 <sup>+0.0</sup> <sub>-0.4</sub>	7.5±0.5	0.8±0.1	5 <sup>+0.4</sup> <sub>-0.2</sub>	5		4
12	RID 2.5x5.5x7.5 C0.9	2.5±0.2	7.5±0.4	0.9±0.1	5.5±0.3	5±0.3		4
13	RID 3x2x5 H1.25	3±0.2	5±0.3	1.25±0.15	2±0.2	2.5		4
14	RID 3x7x6.3 H1.25	3±0.2	5±0.3	1±0.1	7±0.3	4		4
15	RID 3x5x6.5 H1.25	3±0.2	6.5±0.3	1.7±0.1	5±0.2	3.4		4
16	RID 3x5x7 H1.25	3±0.2	7±0.3	1.2±0.1	5±0.2	4.5		4
17	RID 3.2x5.5x7.5 H0.8	3.2±0.2	7.5±0.3	0.8±0.1	5±0.2	3		4
18	RID 4.1x6.3x7 H1	4.1±0.2	7±0.3	1±0.1	6.3±0.3	3		4
19	RID 4.1x6.6x7 H1.8	4.1±0.2	7±0.3	1.8±0.1	6.6±0.4	2.9		4
20	RID 4.1x4x6.6 H2	4.1±0.2	6.6±0.3	2±0.1	4±0.4	3.3		4
21	RID 6.5x4x12 H3.8	6.5±0.3	12±0.3	3.8±0.25	4±0.2	5.5		4
22	RID 7.5x7x13 H3.8	7.5±0.3	13±0.4	3.8±0.25	7±0.3	5.8		4
23	RID 7.5x7x13.4 H3.8	7.5±0.3	13.4±0.4	3.8±0.25	7±0.3	5.8		4
24	RID 7.5x28.5x13.5 H4	7.5±0.3	13.5±0.4	4±0.25	28.5±0.8	6		4
25	RID 2x2.8x5 H1	2±0.15	2.8±0.2	1±0.1	5±0.2			4
26	RID 3x3.1x5 H1.15	2	3.1±0.25	1.15±0.1	5±0.2			4