

Ferrite Cores for EMI Suppression For Balun Transformer/Choke Coil

RHH, RID, R Series(Multi-hole, Multi-aperture, Cylindrical and Rod Types)

MATERIAL CHARACTERISTICS

Material	Practical frequency (MHz)	Initial permeability μ_i	Relative loss factor $\tan\delta/\mu_i \times 10^{-6}$	Temperature factor of initial permeability $\alpha_{\text{air}} \times 10^{-6}/^{\circ}\text{C}$ [+20 to +60°C]	Curie temperature T_c (°C)	Saturation magnetic flux density B_s (mT)	Remanant flux density B_r (mT)	Coercive force H_c (A/m)	Electrical resistivity ρ_v ($\Omega \cdot \text{m}$)	Density d_b (kg/m^3)
L6	0.01 to 0.5	1500±25%	<10[0.01MHz] <60[0.5MHz]	1 to 3	>100	280 [1.6kA/m]	105	16	10 ⁵	5×10 ³
L7H	0.05 to 1.0	800±25%	<12[0.05MHz] <80[1MHz]	7 to 15	>180	390 [4kA/m]	220	16	10 ⁵	5.1×10 ³
L5	0.1 to 1.5	750±25%	<15[0.1MHz] <280[1.5MHz]	1 to 3	>120	310 [1.6kA/m]	105	40	10 ⁵	5×10 ³
L4	0.1 to 1.5	400±25%	<30[0.1MHz] <150[1.5MHz]	3 to 9	>150	330 [1.6kA/m]	110	72	10 ⁵	5×10 ³
L2H	0.05 to 2	400±25%	<15[0.05MHz] <65[2MHz]	15 to 25	>250	430 [4kA/m]	240	35	10 ⁵	5.1×10 ³
GT2	0.1 to 2	250±25%	<60[2MHz]	9 to 15	>140	310 [1.6kA/m]	160	100	10 ⁵	5.1×10 ³
GT3	0.4 to 10	120±25%	<100[10MHz]	8 to 18	>250	400 [4kA/m]	240	350	10 ⁵	5.2×10 ³
M9	0.5 to 30	50±25%	<90[0.5MHz] <280[30MHz]	25 to 65	>300	350 [4kA/m]	215	597	10 ⁵	5×10 ³
GT5	3 to 80	25±25%	<470[80MHz]	30 to 70	>300	300 [4kA/m]	220	1100	10 ⁵	5.1×10 ³
GT7	10 to 250	9±25%	<1500[250MHz]	100 to 140	>300	180 [16kA/m]	110	2900	10 ⁵	5.1×10 ³

• 1(mT): 10(gauss), 1(A/m): 0.012566(Oersted)

RHH SERIES

CORE SHAPES AND DIMENSIONS

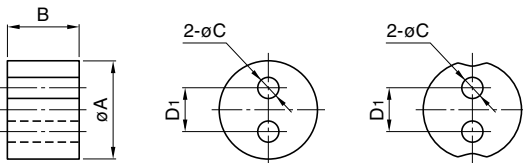


Fig.1

Fig.2

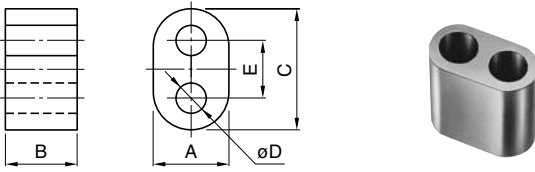
Type	Dimensions(mm)				Fig.
	øA	B	øC	D1	
RHH6X5H1.2	6±0.2	5±0.3	1.2+0.2, -0	2.5	1
RHH7X5.5H1.5M	7±0.2	5.5±0.3	1.5±0.1	3	2



• Please consult us about the combination of shape and the size.

RID SERIES

CORE SHAPES AND DIMENSIONS

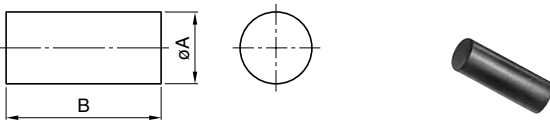


Type	Dimensions(mm)				
	A	B	C	ϕD	E
RID1.9X2X3.4H0.9	1.9±0.1	2.0±0.15	3.4±0.3	0.9±0.1	1.4
RID2.6X4X5.1H1.4	2.6±0.3	4.0±0.3	5.1±0.3	1.4±0.2	2.5
RID3X2X5H1.2	3.0±0.2	2.0±0.2	5.2±0.3	1.2±0.1	2.6
RID3X3X5H1.2	3.0±0.2	3.0±0.2	5.2±0.3	1.2±0.1	2.6
RID3X5X5H1.2	3.0±0.2	5.0±0.2	5.2±0.3	1.2±0.1	2.6
RID6.5X4X12H3.8	6.5±0.3	4.0±0.3	12.0±0.5	3.8±0.25	5.5
RID7.5X7X13H3.8	7.5±0.3	7.0±0.3	13.3±0.5	3.8±0.25	5.8
RID8X7X15H5	8.0±0.3	7.0±0.3	15.0±0.5	5.0±0.25	7
RID8X14X15H5T	8.0±0.3	14.0±0.5	15.0±0.5	5.0±0.25	7

• Please consult us about the combination of shape and the size.

R SERIES

CORE SHAPES AND DIMENSIONS



PRODUCT IDENTIFICATION

GT3	R	5	×	20
(1)	(2)	(3)	(4)	

- (1) Material name
- (2) Series
- (3) Outer diameter(ϕA)
- (4) Height(B)

• Please consult us about the combination of shape and the size.