

# Ferrite Cores

## RHH, R4H, RID, R Series

For Audio-Visual, TV, & Radio Equipment  
For Balun Transformer/Choke Coil

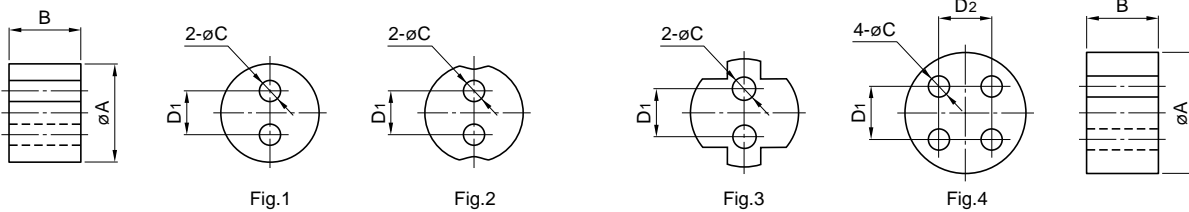
### MATERIAL CHARACTERISTICS

Material	Practical frequency (MHz)	Initial permeability $\mu_i$	Relative loss factor $\tan\delta/\mu_i \times 10^{-6}$	Temperature factor of initial permeability $\alpha_{\mu ir} \times 10^{-6}/^{\circ}\text{C}$ [+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 $\rho_v$ ( $\Omega\cdot\text{m}$ )	Density $d_b$ ( $\text{kg}/\text{m}^3$ )
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 <sup>5</sup>	5×10 <sup>3</sup>
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 <sup>5</sup>	5×10 <sup>3</sup>
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 <sup>5</sup>	5×10 <sup>3</sup>
Q1C	0.1 to 2	250±25%	<35[0.1MHz] <110[2MHz]	9 to 15	>125	290 [1.6kA/m]	140	119	10 <sup>5</sup>	5×10 <sup>3</sup>
Q5B	0.4 to 20	100±25%	<25[0.4MHz] <180[20MHz]	5 to 12	>300	340 [4kA/m]	190	286	10 <sup>2</sup>	4.7×10 <sup>3</sup>
M9	0.5 to 30	50±25%	<90[0.5MHz] <280[30MHz]	25 to 65	>300	350 [4kA/m]	215	597	10 <sup>5</sup>	5×10 <sup>3</sup>
M11	3 to 80	25±25%	<220[3MHz] <470[80MHz]	30 to 70	>300	290 [4kA/m]	190	1195	10 <sup>5</sup>	5×10 <sup>3</sup>
M5E	10 to 120	17±25%	<450[10MHz] <1000[120MHz]	40 to 120	>300	300 [8kA/m]	185	1670	10 <sup>5</sup>	5.1×10 <sup>3</sup>

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

### RHH AND R4H SERIES

#### CORE SHAPES AND DIMENSIONS



Part No.	Dimensions in mm					
	øA	B	øC	D1	D2	Fig.
Q5BRHH6X5H1.2	6±0.2	5±0.3	1.2+0.2,-0	2.5		1
L6RHH6X5H1.2						
Q5BRHH7X5.5H1.5M	7±0.2	5.5±0.3	1.5±0.1	3		2
L6RHH7X5.5H1.5M						
Q5BRHH7.5X4H1.3M	7.5±0.3	4±0.3	1.3±0.1	2.3		3
Q5BR4H8X5H1.2	8±0.3	5±0.3	1.2+0.3,-0	3	3	4
L6R4H8X5H1.2						



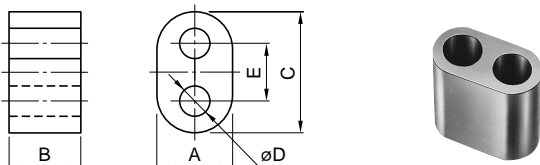
# Ferrite Cores

RHH, R4H, RID, R Series

For Audio-Visual, TV, & Radio Equipment  
For Balun Transformer/Choke Coil

## RID SERIES

### CORE SHAPES AND DIMENSIONS



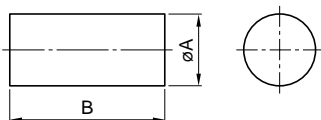
Dimensions in mm

Part No.	A	B	C	∅D	E
Q5BRID3X2X5H1.2	3±0.2	2±0.2	5.2±0.3	1.2±0.1	2.6
L6RID3X2X5H1.2					
Q5BRID3X3X5H1.2	3±0.2	3±0.2	5.2±0.3	1.2±0.1	2.6
L6RID3X3X5H1.2					
Q5BRID3X5X5H1.2	3±0.2	5±0.3	5.2±0.3	1.2±0.1	2.6
L6RID3X4X6H1.5	3±0.2	4±0.3	6±0.3	1.5±0.1	3
L6RID3X10X6.5H1	3±0.2	10±0.4	6.5±0.3	1±0.1	3.5
Q5BRID6.5X4X12H3.8	6.5±0.3	4±0.3	12±0.5	3.8±0.25	5.5
Q5BRID7.5X5X13H3.8(R)	7.5±0.3	5±0.3	13.3±0.5	3.8±0.25	5.8
Q5BRID7.5X7X13H3.8(R)	7.5±0.3	7±0.3	13.3±0.5	3.8±0.25	5.8
Q5BRID8X7X15H5	8±0.3	7±0.3	15±0.5	5±0.25	7
Q5BRID8X14X15H5	8±0.3	14±0.5	15±0.5	5±0.25	7

## R SERIES

### CORE SHAPES AND DIMENSIONS

Dimensions in mm



Part No.	∅A	B
M11R3X7.5	3+0.1,-0.2	7.5±0.3
M5ER3X8	3+0.1,-0.2	8±0.3
L4R3X10	3+0.1,-0.2	10±0.3
M9R4X10	4+0.15,-0.2	10±0.5
L5R6X15	6+0.1,-0.2	15±0.5
Q1CR6X30	6+0.1,-0.3	30±1
L4R10X20	10+0.1,-0.25	20±0.7

