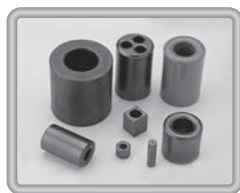


Sleeve Cores

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

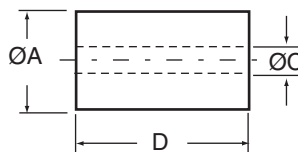
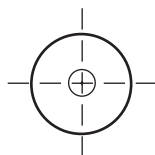


Cylindrical EMI suppression ferrites provide a cost effective means of reducing common and differential mode EMI.

● Ordering Code

K5A	RH	-	11	X	5	X	25
(1)	(2)		(3)		(4)		(5)
			(1) Material				(4) C Size
			(2) Type Code				(5) D Size
			(3) A Size				

● Shapes



EMC Bead

Outline: Ferrite beads have been used as a simple method of increasing the loss in DC current and the Low-Frequency range of AC current. Major applications of ferrite beads include shortening antennas, preventing parasitic oscillation, phase correction, Etc. Now, to enhance the noise immunity of electronic devices, a new magnetic material has been developed and commercialized as EMC bead. Ferrite beads can be broken down into two types, resistive ferrite beads and inductive ferrite beads. The resistive bead series is used to prevent pulse ringing, and is used as the Low-Pass filter; the inductive bead series core is used for shortening the antenna and preventing parasitic oscillation.

Features: Employ High-Performance ferrites with superior frequency characteristic. Compact and high performance. Easy installation.

Application: countermeasures against radiated emissions, for full compliance with FCC regulations and VCCI. Improvement of noise immunity of personal computers, microcomputers, peripheral and relative devices.

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
1	K5A RH 1.6X0.8X5(S)	1.6±0.15	0.8±0.1	5±0.3		33
2	K5A RH 2.45X1.3X2.5	2.45±0.15	1.3±0.1	2.5±0.2		
3	K5A RH 2.5X0.8X3	2.5±0.15	0.8±0.15	3±0.2	20	30
4	K5A RH 2.5X1X3	2.5±0.15	1±0.15	3±0.2	10	30
5	K5A RH 2.85X1.65X3.75	2.85±0.15	1.65±0.15	3.75±0.2	18/50MHz	
6	K5A RH 3X0.8X3	3±0.15	0.8±0.15	3±0.2		
7	K5A RH 3X1X3	3±0.15	1±0.15	3±0.2		
8	K5A RH 3X1.2X3.5	3±0.3	1.2±0.2	3.5±0.3	15	45
9	C8 RH 3.5X0.8X14	3.5±0.15	0.8±0.1	14±0.4		185
10	K5A RH 3.5X0.9X6	3.5±0.15	0.9±0.1	6±0.3	40	70

Sleeve Cores

*The other specification can be designed & produced also.

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
11	C8 RH 3.5X1X14	3.5±0.15	1±0.1	14±0.4		180
12	K5A RH 3.5X1.3X3	3.5±0.15	1.3±0.1	3±0.2	10	20
13	K5A RH 3.5X1.5X5	3.5±0.15	1.5±0.15	5±0.3	20	45
14	C3B RH 3.5X1.5X12	3.5±0.2	1.5±0.1	12±0.4	45	75
15	K5A RH 3.5X1.8X5.9	3.5±0.15	1.8±0.15	5.9±0.3		
16	K5A RH 3.5X2X4	3.5±0.2	2±0.2	4±0.3	10	25
17	K5A RH 3.5X2X6	3.5±0.2	2±0.2	6±0.3	15	30
18	K5A RH 3.8X0.8X8.3	3.8±0.15	0.8±0.1	8.3±0.3		100
19	K5A RH 3.9X1.3X5	3.9±0.15	1.3±0.1	5±0.3		
20	K5 RH 4X0.8X15	4±0.15	0.8±0.1	15±0.4		
21	K5A RH 4X1.5X5	4±0.2	1.5±0.15	5±0.3	20	35
22	K5 RH 4X2X15	4±0.2	2±0.15	15±0.4	50	80
23	K6 RH 4X2X25	4±0.2	2±0.15	25±0.3	90	120
24	K5A RH 4X2.2X6	4±0.2	2.2±0.15	6±0.3	20	40
25	K5A RH 4X2.2X25	4±0.2	2.2±0.15	25±0.6	90	120
26	K5A RH 4.1X0.8X6	4.1±0.2	0.8±0.1	6±0.3	90	
27	K5A RH 4.1X2X6	4.1±0.2	2±0.15	6±0.3	20	30
28	C3B RH 4.2X2X15(R)	4.2±0.2	2±0.15	15±0.4	45	90
29	C3B RH 4.2X2X15(C)	4.2±0.2	2±0.15	15±0.4	45	90
30	K5A RH 4.5X1.5X3.5	4.5±0.2	1.5±0.15	3.5±0.25	15	30
31	K5 RH 4.5X1.5X7	4.5±0.2	1.5±0.10	7±0.3	40	80
32	K5A RH 4.5X2.5X7	4.5±0.2	2.5±0.15	7±0.3	35	65
33	K5A RH 4.5X3X6	4.5±0.2	3±0.2	6±0.3		
34	K5A RH 4.7X2.75X25	4.7±0.2	2.75±0.15	25±0.6		
35	K5A RH 4.8X2.5X3.8	4.8±0.4	2.5±0.2	3.8±0.3	15	50
36	K6 RH 4.9X2X36	4.9±0.2	2±0.15	36±0.8	140	200
37	K5A RH 5X1X10	5±0.2	1±0.15	10±0.4	35	55
38	K5A RH 5X2.15X18	5±0.2	2.15±0.15	18±0.5	80	120
39	K5A RH 5.03X2.34X15	5.08±0.2	2.34±0.15	15±0.4		
40	K5A RH 5.08X2.29X10	5.08±0.2	2.29±0.15	10±0.4	40	65
41	K5A RH 6X2X25	6±0.2	2±0.15	25±0.6	135	200
42	K5A RH 6X2.2X30	6±0.2	2.2±0.15	30±0.7		
43	K5A RH 6X3.2X10	6±0.2	3.2±0.2	10±0.4		50
44	K5A RH 6X3X15	6±0.2	3±0.2	15±0.4		
45	K5A RH 6.35X2.95X25.4	6.35±0.2	2.95±0.15	25.4±0.6	108	200
46	K5A RH 6.35X3.2X12.7	6.35±0.2	3.2±0.2	12.7±0.4	55	102
47	K5A RH 6.4X3.2X10	6.4±0.2	3.2±0.2	10±0.4		50
48	K5A RH 6.5X4X10	6.5±0.2	4±0.2	10±0.4	20	40
49	K5A RH 6.5X4.3X10	6.5±0.25	4.3±0.2	10±0.4	20	45
50	K5A RH 6.5X4.5X10	6.5±0.2	4.5±0.2	10±0.4	15	35
51	K5A RH 6.78X4X14.22	6.78±0.2	4±0.2	14.22±0.4		
52	K5A RH 7.52X2.39X7.54	7.52±0.2	2.39±0.15	7.54±0.3	30	60

Sleeve Cores

*The other specification can be designed & produced also.

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
53	K5A RH 7.65X3.18X4.78	7.65±0.3	3.18±0.2	4.78±0.2	20	45
54	K5A RH 7.8X4X13	7.8±0.2	4±0.2	13±0.4	45	80
55	K5A RH 7.8X5X12.5	7.8±0.2	5±0.25	12.5±0.4	30	60
56	K5A RH 8X3.6X25	8±0.3	3.6±0.2	25±0.6	65	115
57	K5A RH 8X5.3X15	8±0.2	5.3±0.25	15±0.4	40	80
58	K5A RH 8X6X5	8±0.3	6±0.2	5±0.2	10	45
59	K5A RH 8.3X3.6X9.75	8.3±0.2	3.6±0.2	9.75±0.3		
60	K5A RH 8.7X6.3X15.7	8.7±0.2	6.3±0.3	15.7±0.4		80
61	K5A RH 9X5X16	9±0.3	5±0.25	16±0.4	50	80
62	K5A RH 9.05X5X16	9.05±0.3	4.7±0.2	16.2±0.4	60	110
63	K5A RH 9.3X4.5X9.5	9.3±0.3	4.5±0.2	9.5±0.3		
64	K5A RH 9.3X6.35X15.7	9.3±0.3	6.35±0.3	15.7±0.4		
65	K5A RH 9.5X3.05X10.2	9.5±0.3	3.05±0.2	10.2±0.4	50	90
66	K5A RH 9.5X4.7X25	9.5±0.4	4.7±0.2	27±0.6	73	135
67	K5A RH 9.5X5.5X19.5	9.5±0.2	5.5±0.3	19.5±0.6	50	100
68	K5 RH 9.5X4.75X19.05	9.5±0.3	4.75±0.2	19.05±0.4	60	100
69	K5A RH 9.5X4.75X25.4	9.5±0.3	4.75±0.2	25.4±0.6	75	135
70	K5A RH 9.5X4.8X14.5	9.5±0.3	4.8±0.2	14.5±0.4	53	75
71	K5A RH 9.5X5X14.5	9.5±0.3	5±0.25	14.5±0.4	50	100
72	K5A RH 9.5X5.2X9.5	9.5±0.3	5.2±0.25	9.5±0.4	35	65
73	K5A RH 9.65X5.02X10.4	9.65±0.3	5.02±0.25	10.4±0.4	30	60
74	K5A RH 9.7X3.8X10.2	9.7±0.3	3.8±0.2	10.2±0.4	60	100
75	K5A RH 9.8X1X11.5	9.8±0.2	1±0.15	11.5±0.3	120	200
76	K5A RH 9.8X6.3X15.7	9.8±0.3	6.35±0.3	15.7±0.4	45	65
77	K5A RH 9.8X6.35X13.5	9.8±0.3	6.35±0.25	13.5±0.4	30	60
78	K5A RH 10X4.25X19.5	10±0.35	4.25±0.3	19.5±0.5	80	120
79	K5A RH 10X5X25	10±0.3	5±0.25	25±0.6	125	160
80	K5A RH 10X5.5X25	10±0.3	5.5±0.25	25±0.6	90	160
81	K5A RH 10X6X14	10±0.3	6±0.3	14±0.4	35	75
82	K5A RH 10X6.15X6.2	10±0.3	6.15±0.3	6.2±0.3	45	85
83	K5A RH 10X6.5X20	10±0.4	6.5±0.25	20±0.6	40	90
84	K5A RH 10X7X10	10±0.3	7±0.3	10±0.4	20	40
85	K5A RH 10X7.3X7.5	10±0.3	7.3±0.2	7.5±0.2	13	28
86	K5A RH 10.5X5.5X20	10.5±0.3	5.5±0.25	20±0.5	65	120
87	K5A RH 10.5X6X20	10±0.4	6±0.3	20±0.6	50	90
88	K5A RH 10.5X6.5X20	10.5±0.3	6.5±0.3	20±0.5	40	80
89	K5A RH 11X5X25	11±0.3	5±0.25	25±0.6	115	180
90	K5A RH 11.3X5.95X12	11.3±0.3	5.95±0.25	12±0.4	40	70
91	K5A RH 11.5X4.9X20	11.5±0.5	4.9±0.25	20±0.6	100	200
92	K5A RH 11.5X4.9X25	11.5±0.3	4.9±0.25	25±0.5	85	120
93	K5A RH 11.8X5X15	11.8±0.3	5±0.3	15±0.4	40	80
94	K5A RH 11.8X7.3X15	11.8±0.3	7.3±0.3	15±0.4	40	75

Sleeve Cores

*The other specification can be designed & produced also.

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
95	K5A RH 11.86X7.4X15	11.86±0.3	7.4±0.3	15±0.4	35	75
96	K5A RH 12X3.7X19.2	12±0.3	3.7±0.2	19.2±0.6	60	120
97	K5A RH 12X3.7X23.5	12±0.3	3.7±0.2	23.5±0.6	95	160
98	K5A RH 12X4X23	12±0.3	4±0.2	23±0.5	160	230
99	K5A RH 12X4.5X25	12±0.3	4.5±0.2	25±0.4	125	204
100	K5A RH 12X5.6X20	12±0.3	5.6±0.25	20±0.5	100	200
101	K5A RH 12X5.6X25	12±0.4	5.6±0.3	25±0.6	80	120
102	K5A RH 12X6X20	12±0.3	6±0.3	20±0.5	60	110
103	K5A RH 12X8X13	12±0.3	8±0.3	13±0.4	35	75
104	K5A RH 12X8X22.8	12±0.3	8±0.25	22.8±0.6	40	80
105	K5A RH 12X8.5X15	12±0.3	8.5±0.3	15±0.4	30	50
106	K5 RH 12X8.5X20	12±0.3	8.5±0.2	20±0.4	30	60
107	K5A RH 12.3X5X12.7	12.3±0.3	5±0.25	12.7±0.4	60	120
108	K5A RH 12.7X7.9X12.7	12.7±0.3	7.9±0.3	12.7±0.4	30	60
109	K5A RH 13X5X18	13±0.3	5±0.25	18±0.5	50	100
110	K5A RH 13X5X20	13±0.3	5±0.25	20±0.5	90	140
111	P3 RH 13X7X15	13±0.3	7±0.3	15±0.4	75	140
112	K5A RH 13X7.3X12.7	13±0.4	7.3±0.2	12.7±0.4	30	60
113	K5 RH 13X8.5X25	13±0.3	8.5±0.2	25±0.6	40	80
114	K5A RH 14X6.8X15	14±0.4	6.8±0.3	15±0.4	65	120
115	K5A RH 14X7.8X15	14±0.4	7.8±0.3	15±0.4	35	70
116	K5A RH 14.2X4.5X20	14.2±0.4	4.5±0.3	20±0.5	100	170
117	K5A RH 14.2X4.5X28.5	14.2±0.4	4.5±0.3	28.5±0.8	120	280
118	K5A RH 14.2X6.35X28.5	14.2±0.4	6.35±0.6	28.5±0.6	100	190
119	K5A RH 14.2X6.35X36	14.2±0.4	6.35±0.6	36±0.8	150	280
120	K5A RH 14.2X6.5X15	14.2±0.4	6.5±0.3	15±0.4	50	90
121	K5A RH 14.2X7.2X28.5	14.2±0.4	7.2±0.3	28.5±0.6	130	210
122	K5A RH 14.2X7X28.5	14.2±0.4	7±0.3	28.5±0.6	100	120
123	K5A RH 14.2X7.2X12.7	14.2±0.3	7.2±0.3	12.7±0.4	40	60
124	K5A RH 14.2X8X23.5	14.2±0.4	8±0.3	23.5±0.5	65	135
125	K5A RH 14.2X8X28.5	14.2±0.4	8±0.3	28.5±0.6	60	150
126	K5A RH 14.2X9.15X28.5	14.2±0.4	9.15±0.3	28.5±0.6	100	170
127	K5A RH 14.2X9X15	14.2±0.4	9±0.3	15±0.4	50	100
128	K5A RH 14.3X6.35X23.3	14.3±0.4	6.35±0.3	23.3±0.5	100	180
129	K5A RH 14.3X9.15X28.5	14.3±0.4	9.15±0.3	28.5±0.6	75	120
130	K5A RH 14.3X9X28.5	14.3±0.4	9±0.3	28.5±0.6	75	120
131	K5A RH 14.5X10.5X8	14.5±0.4	10±0.4	8±0.3	18	45
132	K5A RH 15.7X10.5X28.5	15.7±0.4	10.5±0.3	28.5±0.6	60	100
133	K5A RH 15.7X7.3X28.5	15.7±0.4	7.3±0.3	28.5±0.6	90	180
134	K5A RH 15.7X7.5X28.5	15.7±0.4	7.5±0.3	28.5±0.6	90	180
135	K5A RH 15.8X8X28.5	15.88±0.4	8±0.3	28.5±0.6	100	160
136	K5A R3H 16X5X28	16±0.4	5±0.3	28±0.8	90	160

Sleeve Cores

*The other specification can be designed & produced also.

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
137	K5A RH 16X8X16	16±0.4	8±0.3	16±0.4	55	110
138	K5A RH 16X9X17	16±0.4	9±0.3	17±0.4	50	80
139	K5A RH 16X9X28	16±0.4	9±0.3	28±0.6	80	150
140	K5A RH 16X10.5X28	16±0.4	10.5±0.3	28±0.6		100
141	K5A RH 17.07X8.76X25.4	17.07±0.4	8.76±0.3	25.4±0.6	90	130
142	K5A RH 17.2X7X28.5	17.2±0.4	7±0.3	28.5±0.6	140	230
143	K5A RH 17.2X7.1X28	17.2±0.4	7.1±0.3	28±0.8	120	180
144	P2M RH 17.5X7X25.4	17.5±0.4	7±0.3	25.4±0.6	110	200
145	K5A RH 17.5X9.5X12.7	17.5±0.5	9.5±0.3	12.7±0.4	50	150
146	K5A RH 17.5X9.5X28.5	17.5±0.4	9.5±0.3	28.5±0.6	85	145
147	K5A RH 17.5X9.5X35	17.5±0.4	9.5±0.3	35±0.8	120	200
148	K5A RH 17.5X10.5X24	17.5±0.4	10.5±0.4	24±0.6	85	130
149	K5A RH 17.5X10.5X28.5	17.5±0.4	10.5±0.4	28.5±0.6	60	120
150	K5A RH 17.5X10X28.5	17.5±0.4	10±0.4	28.5±0.6	100	240
151	K5A RH 17.5X11X28.5	17.5±0.4	11±0.4	28.5±0.6	80	130
152	K5A RH 17.5X11.5X28.5	17.5±0.5	11.5±0.2/-0.6	28.5±0.8	60	110
153	K5A RH 17.5X12.8X28.5	17.5±0.5	12.8±0.4	28.5±0.8	40	80
154	K5A RH 18X10.5X18	18±0.5	10.5±0.3	18±0.5	45	90
155	K5A RH 18.2X9.7X28.2	18.2±0.5	9.7±0.3	28.2±0.6	104	192
156	K5A RH 18.4X9.6X12	18.4±0.4	9.6±0.3	12±0.4	40	60
157	K5A RH 18.5X12.6X28.5	18.5±0.5	12.6±0.5	28.5±0.6	50	80
158	K5A RH 18.7X10.2X28.2	18.7±0.5	10.2±0.4	28.2±0.6	70	130
159	K5A R3H 19X6X28	19±0.4	6±0.3	28±0.8	90	160
160	K5A RH 19X10X10	19±0.4	10±0.3	10±0.3	39	73
161	K5A RH 19X13X29	19±0.5	13±0.4	29±0.6	60	110
162	K5A RH 19.2X11.6X28.6	19.2±0.5	11.6±0.4	28.6±0.6	76	118
163	K5A RH 20X10X28	20±0.5	10±0.3	28±0.8	95	150
164	K5A RH 20.7X12X28.5	20.7±0.6	12±0.4	28.5±0.6	85	160
165	K5A RH 21X10X30	21±0.5	10±0.4	30±0.8	100	150
166	K5A RH 22X14X28	22±0.6	14±0.5	28±0.8	60	120
167	K5A RH 25.9X12.3X29	25.9±0.6	12.3±0.4	29±0.6	90	180
168	K5A RH 25.9X12.7X29	25.9±0.6	12.7±0.4	29±0.6	120	240
169	K5A RH 26X13X28.5	26±0.6	13±0.4	28.5±0.6	116	180
170	K5A RH 26X14X28.5	26±0.6	14±0.4	28.5±0.6	90	180
171	K5A RH 27X10X30	27±0.5	10±0.3	30±0.9	95	150
172	K5A RH 28X14X28	28±0.6	14±0.4	28±0.6	110	180
173	K5A RH 28X16X28.5	28±0.6	16±0.4	28.5±0.6	110	220
174	K5A RH 28X18X28.5	28±0.6	18±0.4	28.5±0.6	75	140