

DATA SHEET

EMI-suppression beads **EMI-suppression products**

Supersedes data of November 2000

2002 Feb 01



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EMI-SUPPRESSION BEADS

Colour marking: 4S2 has a flash of yellow paint.

Note

1. Typical values at 100 MHz, $|Z|_{\min}$ is -20%.

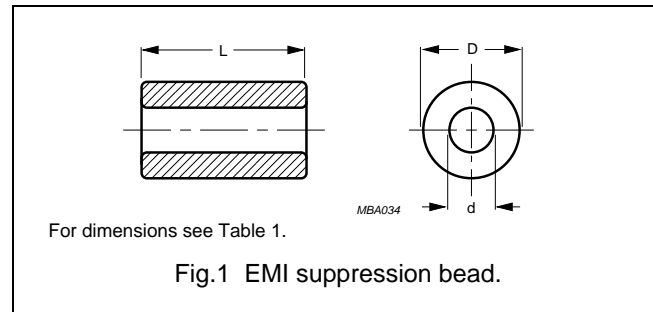


Table 1 Grades, parameters and type numbers; see Fig.1

GRADE	$ Z_{\text{typ}} (\Omega)^{(1)}$							DIMENSIONS (mm)			TYPE NUMBER
	at frequency (MHz)							D	d	L	
	1	3	10	25	30	100	300				
3S1	24	48	49	-	39	33	29	3 ±0.1	0.7 +0.1	4 ±0.2	BD3/0.7/4-3S1 ^{sup}
	41	90	91	-	74	63	55	3 ±0.1	1 +0.1/-0.05	10 ±0.3	BD3/1/10-3S1 ^{sup}
	34	65	66	-	53	45	40	5.1 -0.3	0.75 +0.1	4 ±0.2	BD5.1/0.8/4-3S1 ^{sup}
	88	156	160	-	113	88	63	5.1 -0.3	0.75 +0.1	10 ±0.3	BD5.1/0.8/10-3S1
	16	28	40	-	33	28	25	5.1 -0.3	1.5 +0.15	4 ±0.2	BD5.1/1.5/4-3S1
	50	90	100	-	80	69	60	5.1 -0.3	1.5 +0.15	10 ±0.3	BD5.1/1.5/10-3S1 ^{sup}
	13	23	30	-	25	21	19	5.1 -0.3	2 +0.2	4 ±0.2	BD5.1/2/4-3S1
	36	64	76	-	61	53	46	5.1 -0.3	2 +0.2	10 ±0.3	BD5.1/2/10-3S1 ^{sup}
4S2	7	20	35	-	54	69	76	1.9 +0.2	0.8 +0.2	9.75 -0.2	BD1.9/0.8/9.8-4S2 ^{sup}
	3	10	28	-	40	63	68	3 ±0.1	0.7 +0.1	4 ±0.2	BD3/0.7/4-4S2
	11	38	69	-	101	156	169	3 ±0.1	0.75 +0.1	10 ±0.3	BD3/0.8/10-4S2
	4	11	23	-	31	48	54	3 ±0.1	1 +0.1/-0.05	4 ±0.2	BD3/1/4-4S2
	9	29	54	-	76	119	134	3 ±0.1	1 +0.1/-0.05	10 ±0.3	BD3/1/10-4S2
	-	-	-	27	-	40	-	3.5 ±0.2	1.3 ±0.1	3.25 ±0.25	BD3.5/1.3/3.3-4S2
	-	-	-	47	-	60	-	3.5 ±0.2	1.3 ±0.1	6 ±0.25	BD3.5/1.3/6-4S2
	-	-	-	89	-	125	-	3.5 ±0.2	1.3 ±0.1	12.7 ±0.35	BD3.5/1.3/13-4S2
	6	19	38	-	55	85	96	5.1 -0.3	0.75 +0.1	4 ±0.2	BD5.1/0.8/4-4S2
	15	50	94	-	138	213	238	5.1 -0.3	0.75 +0.1	10 ±0.3	BD5.1/0.8/10-4S2 ^{sup}
	4	13	25	-	34	51	59	5.1 -0.3	1.5 +0.15	4 ±0.2	BD5.1/1.5/4-4S2
	9	31	56	-	85	130	145	5.1 -0.3	1.5 +0.15	10 ±0.3	BD5.1/1.5/10-4S2
	3	10	19	-	25	40	45	5.1 -0.3	2 +0.2	4 ±0.2	BD5.1/2/4-4S2
	-	-	34	-	-	78	-	5.1 -0.3	2 +0.2	7.1 ±0.2	BD5.1/2/7.1-4S2
	8	19	38	-	64	100	111	5.1 -0.3	2 +0.2	10 ±0.3	BD5.1/2/10-4S2 ^{sup}
	-	-	-	135	-	200	-	6.35 ±0.15	2.95 +0.45	25.4 ±0.75	BD6.4/3/25-4S2
	-	-	-	63	-	92	-	7.65 -0.25	2.25 +0.25	7.55 ±0.25	BD7.7/2.3/7.6-4S2
	5	18	34	-	48	71	81	8 ±0.2	1.5 +0.15	4 ±0.2	BD8/1.5/4-4S2
	13	43	88	-	116	181	201	8 ±0.2	1.5 +0.15	10 ±0.3	BD8/1.5/10-4S2
	5	13	25	-	39	61	69	8 ±0.2	2 +0.2	4 ±0.2	BD8/2/4-4S2
11	35	69	-	96	151	168	8 ±0.2	2 +0.2	10 ±0.3	BD8/2/10-4S2	
3	10	19	-	28	43	48	8 ±0.2	3 +0.2	4 ±0.2	BD8/3/4-4S2	
8	25	50	-	69	106	119	8 ±0.2	3 +0.2	10 ±0.3	BD8/3/10-4S2	

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DATA SHEET STATUS DEFINITIONS

DATA SHEET STATUS	PRODUCT STATUS	DEFINITIONS
Preliminary specification	Development	This data sheet contains preliminary data. Ferroxcube reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.
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PRODUCT STATUS DEFINITIONS

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