

DATA SHEET

EMI-suppression beads **Soft Ferrites**

Product specification
Supersedes data of 1998 Apr 07
File under Ferrite Ceramics, MA01

2000 Apr 20

Soft Ferrites

EMI-suppression beads

EMI-SUPPRESSION BEADS

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

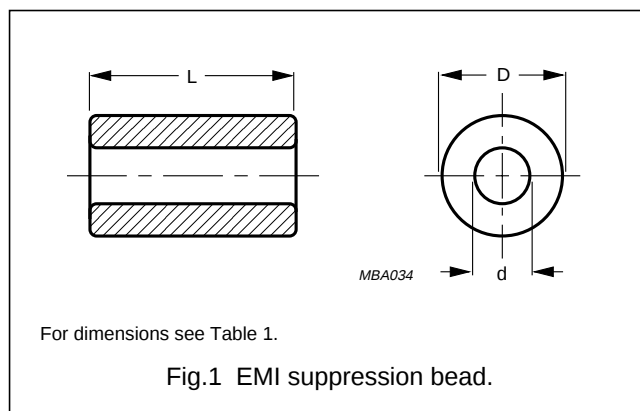


Table 1 Grades, parameters and type numbers; see Fig.1

GRADE	Z _{typ} (Ω) ⁽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}
	18	36	38	–	30	25	23	3 ±0.1	1 +0.1/–0.05	4 ±0.2	BD3/1/4-3S1
	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}
	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}
	4	11	23	–	31	48	54	3 ±0.1	1 +0.1/–0.05	4 ±0.2	BD3/1/4-4S2
	–	–	–	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
	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	13	25	–	39	61	69	8 ±0.2	2 +0.2	4 ±0.2	BD8/2/4-4S2
	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	

Note

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

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