



2002-05-15

PRODUKTINFORMATION

Vi reserverar oss mot fel samt förbehåller oss rätten till ändringar utan föregående meddelande

ELFA artikelnr

58-777-17 Bead på tråd 3,5x3,3 4S2

58-777-25 Bead på tråd 3,5x6 4S2

58-777-33 Bead på tråd 3,5x8,9 4S2

DATA SHEET

EMI-suppression beads on wire **Soft Ferrites**

Product specification
Supersedes data of November 1997
File under Ferrite Ceramics, MA01

2000 Apr 20

Soft Ferrites

EMI-suppression beads on wire

BEADS ON WIRE FOR EMI-SUPPRESSION

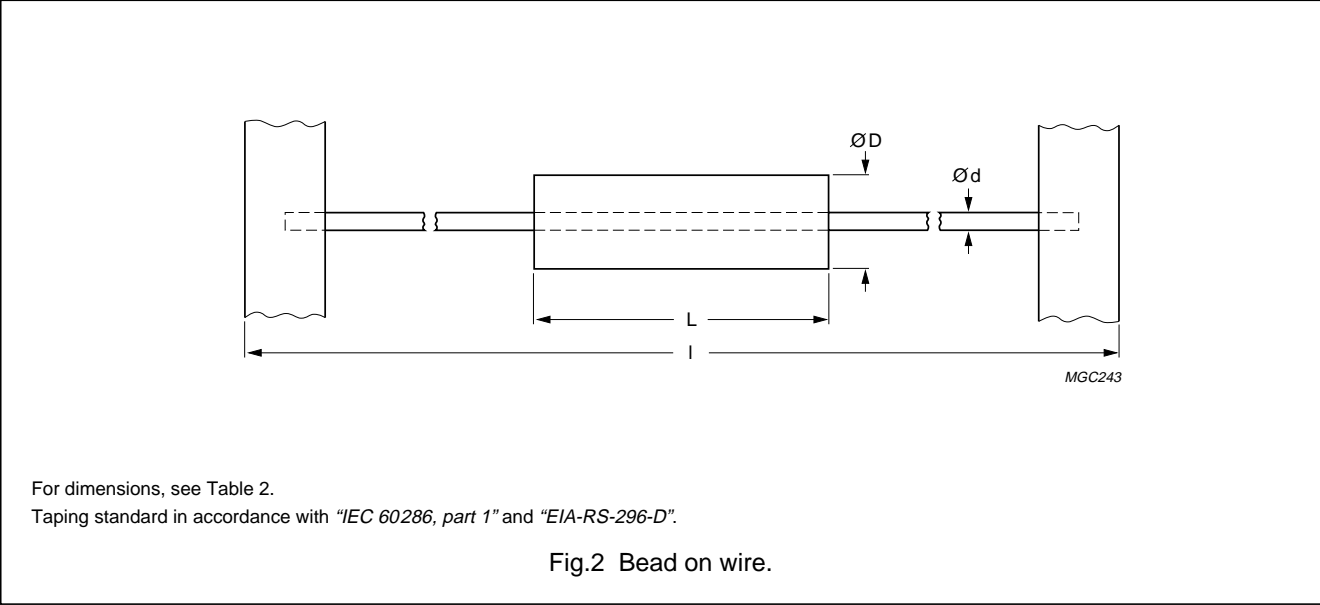


Table 2 Grades, parameters and type numbers; see Fig.2

GRADE	Z _{typ} (Ω) ⁽¹⁾							DIMENSIONS (mm)				TYPE NUMBER
	at frequency (MHz)											
	1	3	10	25	30	100	300	∅D	L	I	∅d	
4S2	4	13	24	–	36	58	65	3.5 ±0.2	3.5 –0.5	64.4	0.64	BDW3.5/3.5-4S2
	5	16	33	–	49	75	88	3.5 ±0.2	4.7 –0.5	64.4	0.64	BDW3.5/4.7-4S2
	–	–	–	54	–	82	–	3.5 ±0.25	5.25 ±0.25	64.4	0.64	BDW3.5/5.3-4S2
	6	21	44	–	66	100	119	3.5 ±0.2	6.0 ±0.25	64.4	0.64	BDW3.5/6-4S2
	8	25	49	–	74	110	131	3.5 ±0.2	6.7 ±0.25	64.4	0.64	BDW3.5/6.7-4S2
	9	28	55	–	84	131	150	3.5 ±0.2	7.6 ±0.35	64.4	0.64	BDW3.5/7.6-4S2
	10	33	65	–	98	146	175	3.5 ±0.2	8.9 ±0.35	64.4	0.64	BDW3.5/8.9-4S2
	–	–	–	96	–	150	–	3.5 ±0.25	9.5 ±0.3	64.4	0.64	BDW3.5/9.5-4S2
	–	–	–	117	–	180	–	3.5 ±0.25	11.4 ±0.4	64.4	0.64	BDW3.5/11-4S2
–	–	–	143	–	220	–	3.5 ±0.25	13.8 ±0.5	64.4	0.64	BDW3.5/14-4S2	

Note

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

Soft Ferrites

EMI-suppression beads on wire




DATA SHEET STATUS DEFINITIONS

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DATA SHEET

4S2

Material specification

Supersedes data of November 2000

2002 Feb 01



FERROXCUBE
A YAGEO COMPANY

Material specification

4S2

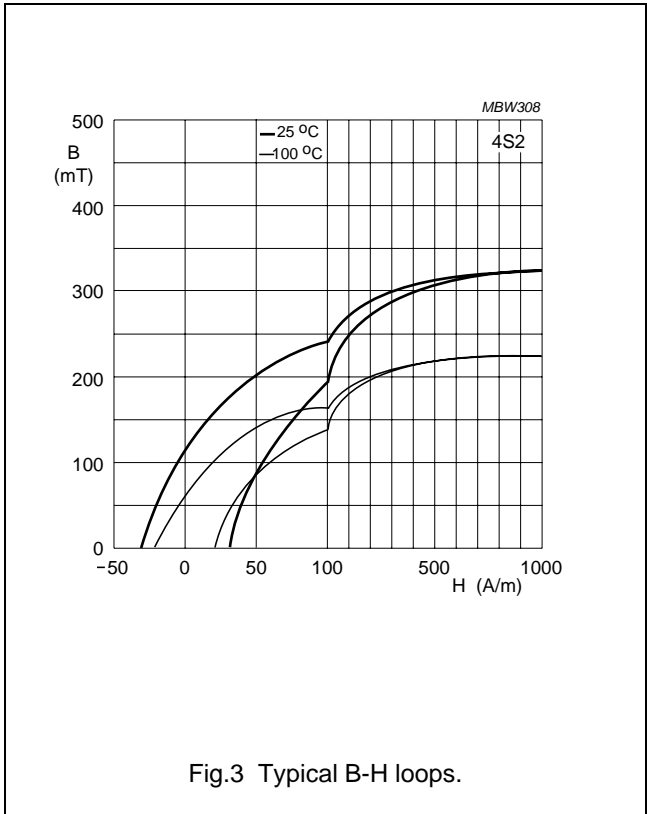
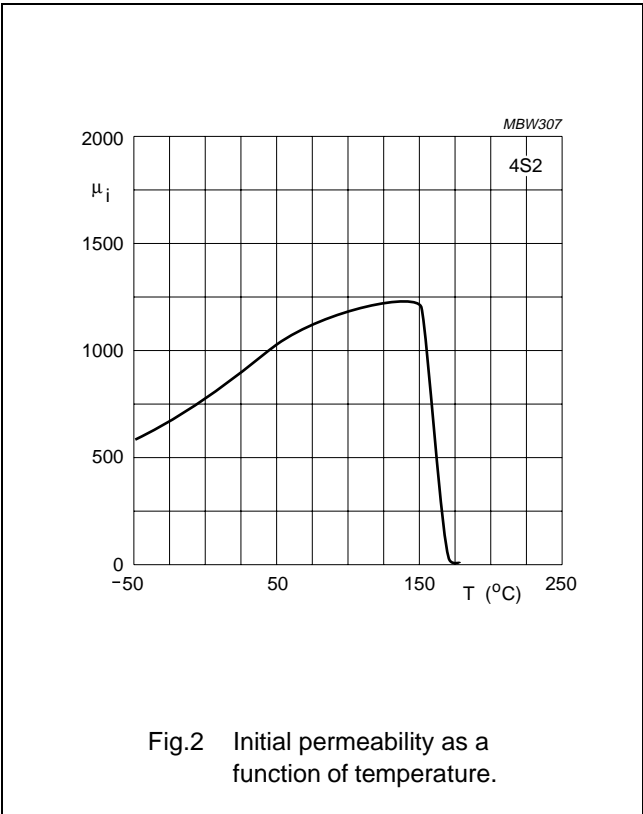
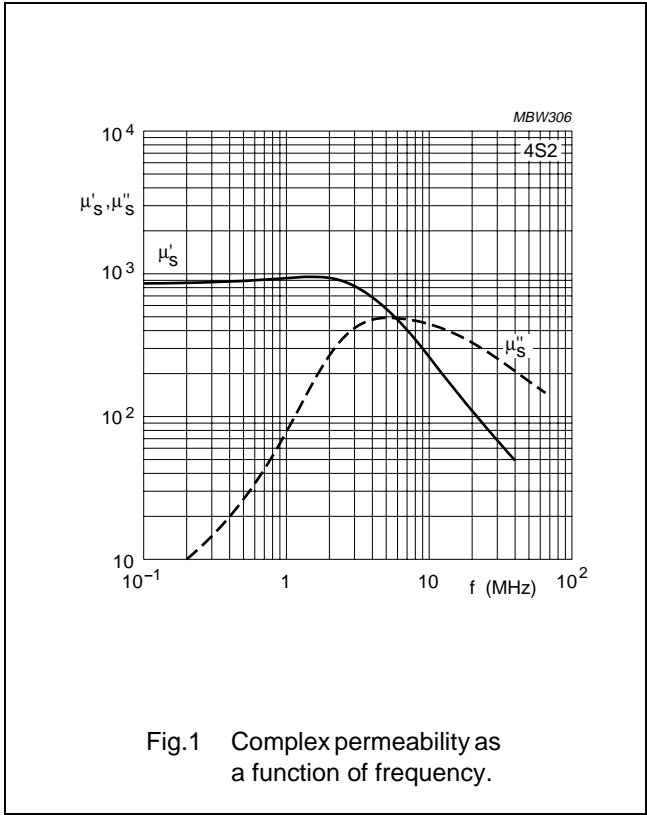
4S2 SPECIFICATIONS

Wideband EMI-suppression material specified on impedance and optimized for frequencies from 30 to 1000 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25 °C; ≤ 10 kHz; 0.1 mT	≈ 850	
B	25 °C; 10 kHz; 250 A/m	≈ 270	mT
	100 °C; 10 kHz; 250 A/m	≈ 180	
$ Z ^{(1)}$	25 °C; 30 MHz	≥ 50	Ω
	25 °C; 300 MHz	≥ 90	
ρ	DC; 25 °C	$\approx 10^5$	Ωm
T_C		≥ 125	°C
density		≈ 5000	kg/m ³

Note

1. Measured on a bead $\varnothing 5 \times \varnothing 2 \times 10$ mm.



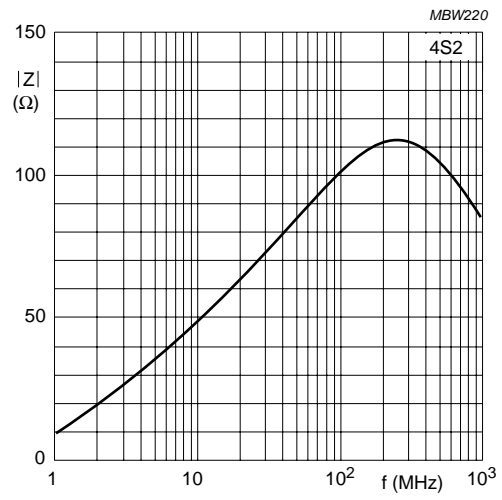


Fig.4 Impedance as a function of frequency.

Material specification

4S2




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