

MCoil Laminated Core Coils combine both the typical low basic output distortions and the low internal resistance of Feron core coils with the enhanced dynamic in music performance of copper wire featuring our Baked Wire Treatment.

They are highly suitable to be used for high quality mid frequency crossover within subwoofer applications. They also offer an excellent value for money ratio as well as the come at compact dimensions.

The **BS** series which was entirely re-developed in 2010, has replaced the well-known i and Bi series.

Please find detailed information on the advantages of different coil technologies on pages 30 to 32.

Key words: **Feron Core • OFC-Copper • Solid Core**

Technical specifications:

OFC-Copper 99.99% pure

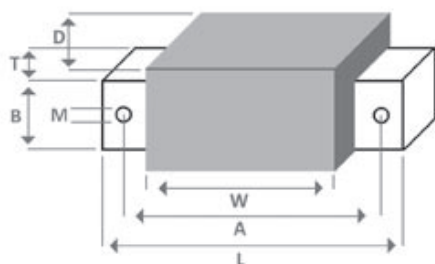
Coil form: PA, fibre-glass reinforced

Core material: FERON

Grain-oriented silicon iron 0.35 mm



Body	L	T=B	A	W	M
Dimensions (mm)					
S66	66	11	55	41	4
S84	84	14	72	58	4
S96	96	16	82	67	5
S106	106	14.5	94	79	5
S130	130	18	115	99	6
S150	150	20	134	118	6



BS71 (replaced i71 and bi71)

I-core coils, baked varnish wire Ø 0,71 mm

Inductance [mH] ±3%	RDC [Ohm]	Body	Ø Body [mm]	[€]
3,3	0,57	S66	23	14,90
3,9	0,60	S66	23	15,50
4,7	0,70	S66	23	15,90
5,6	0,82	S66	24	16,50
6,8	0,94	S66	24	16,90
8,2	1,08	S66	24	17,50
10	1,15	S84	26	19,90

BS125

I-core coils, baked varnish wire Ø 1,25 mm

Inductance [mH] ±3%	RDC [Ohm]	Body	Ø Body [mm]	[€]
4,7	0,30	S96	32	26,90
5,6	0,33	S96	32	27,90
6,8	0,37	S96	34	28,90
8,2	0,41	S96	34	29,90
10	0,45	S106	34	30,90
12	0,51	S106	34	32,50
15	0,59	S106	36	33,90
18	0,66	S106	36	35,50
22	0,75	S130	38	37,90

BS100 (replaced i100 and bi100)

I-core coils, baked varnish wire Ø 1,00 mm

Inductance [mH] ±3%	RDC [Ohm]	Body	Ø Body [mm]	[€]
1,0	0,17	S66	19	14,90
1,2	0,19	S66	21	15,10
1,5	0,21	S66	21	15,30
1,8	0,24	S66	21	15,60
2,0	0,26	S66	23	15,90
2,2	0,27	S66	23	16,20
2,7	0,30	S66	23	16,50
3,0	0,33	S66	25	16,90
3,3	0,34	S84	27	20,50
3,9	0,37	S84	27	20,90
4,7	0,41	S84	27	21,50
5,6	0,46	S84	27	21,90
6,8	0,51	S84	29	22,50
8,2	0,56	S84	29	22,90
10	0,65	S96	29	24,90
12	0,73	S96	31	25,90
15	0,82	S96	31	26,90

BS140 (replaced i140 and bi140)

I-core coils, baked varnish wire Ø 1,40 mm

Inductance [mH] ±3%	RDC [Ohm]	Body	Ø Body [mm]	[€]
1,0	0,09	S84	27	19,90
1,2	0,10	S84	27	20,50
1,5	0,12	S84	27	20,90
1,8	0,14	S84	28	21,50
2,0	0,15	S84	28	21,90
2,2	0,16	S96	28	24,50
2,7	0,17	S96	29	24,90
3,0	0,18	S96	29	25,50
3,3	0,19	S96	29	25,90
3,9	0,21	S96	29	26,90
4,7	0,24	S106	32	27,90
5,6	0,26	S106	32	28,90
6,8	0,30	S106	34	30,90
8,2	0,33	S106	34	32,90
10	0,38	S130	35	34,90
12	0,42	S130	35	36,90
15	0,48	S130	37	38,90
18	0,54	S130	37	40,90
22	0,56	S150	42	43,90
27	0,64	S150	42	45,90
33	0,74	S150	43	47,90

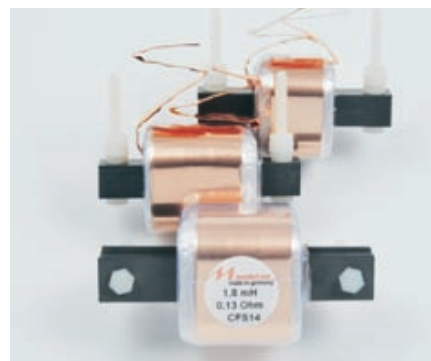
MCoil Laminated Core Coils made from copper foil combine both the low level output distortions and the low internal resistance of Feron core coils with the high resolution and the great dynamic properties of OFC copper foil.

They are highly suitable to be used in high quality mid frequency crossovers within subwoofer applications. Furthermore, they are distinguished by an excellent value for money ratio as well as by their compact dimensions.

With the **CFS** series we are once again complying to the very innovation and quality standards we set on day 1 for making us a leading manufacturer of state-of-the-art components for music lovers, since +25 years.

Please find detailed information on the advantages of different coil technologies on pages 30 to 32. Key words:

Feron Core • OFC-Copper • Foil coils



Technical specifications:

Cu-foil: 70 μ / OFC-Copper 99.99% pure

Insulation: Polypropylen 20 μ

Coil form: PA, fibre-glass reinforced

Core material: FERON

Grain-oriented silicon iron 0.35 mm

Permissible ambient temperature 105°C/221°F

CFS16

I-core coils, foil 17 mm

Cross-section 1.19 mm² ± round wire Ø 1.23

Inductance [mH] ±3%	RDC [Ohm]	Body	Ø Body [mm]	[€]
0,10	0,05	S66	21	17,90
0,12	0,05	S66	21	18,50
0,15	0,06	S66	22	18,90
0,18	0,06	S66	22	19,50
0,22	0,06	S66	23	19,90
0,27	0,07	S66	23	20,50
0,33	0,07	S66	24	20,90
0,39	0,08	S66	25	21,50
0,47	0,08	S66	26	21,90
0,56	0,09	S66	27	22,50
0,68	0,10	S66	29	22,90
0,82	0,13	S66	30	23,50
1,0	0,15	S66	33	23,90
1,2	0,17	S66	35	24,50
1,5	0,19	S66	37	24,90
1,8	0,19	S84	39	26,90
2,0	0,21	S84	40	27,90
2,2	0,23	S84	41	28,90
2,7	0,26	S84	44	29,90
3,0	0,28	S84	46	30,90
3,3	0,30	S84	47	31,90
3,9	0,34	S84	50	32,90
4,7	0,40	S84	53	33,90

CFS12

I-core coils, foil 44 mm

Cross-section 3.08 mm² ± round wire Ø 1.96

Inductance [mH] ±3%	RDC [Ohm]	Body	Ø Body [mm]	[€]
1,0	0,06	S130	37	39,90
1,2	0,06	S130	39	40,50
1,5	0,07	S130	41	40,90
1,8	0,08	S130	43	41,50
2,0	0,08	S130	44	41,90
2,2	0,09	S130	45	42,50
2,7	0,10	S130	47	43,50
3,0	0,11	S130	49	45,90
3,3	0,12	S130	50	47,90
3,9	0,13	S130	53	49,90
4,7	0,15	S130	56	52,90
5,6	0,17	S130	59	55,90
6,8	0,19	S130	63	58,90
8,2	0,22	S130	67	63,90
10	0,27	S130	74	69,90
12	0,31	S130	78	79,90
15	0,36	S130	82	89,90
18	0,42	S130	87	104,90
22	0,49	S130	94	124,90

CFS14 (replaced cfi14)

I-core coils, foil 28 mm

Cross-section = 1.96 mm², ± round wire Ø 1,58mm

Inductance [mH] ±3%	RDC [Ohm]	Body	Ø Body [mm]	[€]
0,47	0,05	S96	31	28,50
0,56	0,06	S96	42	28,90
0,68	0,07	S96	34	29,50
0,82	0,09	S96	35	29,90
1,0	0,11	S96	37	30,50
1,2	0,12	S96	38	30,90
1,5	0,13	S96	40	31,50
1,8	0,14	S96	43	31,90
2,0	0,15	S96	44	32,90
2,2	0,16	S96	45	33,90
2,7	0,16	S106	46	34,90
3,0	0,17	S106	47	35,90
3,3	0,18	S106	48	36,90
3,9	0,20	S106	51	37,90
4,7	0,23	S106	54	39,90
5,6	0,26	S106	58	41,90
6,8	0,31	S106	62	44,90
8,2	0,35	S106	67	48,90
10	0,43	S106	73	52,90

CFS10

I-core coils, foil 70 mm

Cross-section 4.90 mm² ± round wire Ø 2.50 mm

Inductance [mH] ±3%	RDC [Ohm]	Body	Ø Body [mm]	[€]
1,0	0,04	S150	41	52,90
1,2	0,04	S150	42	53,90
1,5	0,05	S150	44	54,90
1,8	0,05	S150	46	56,50
2,0	0,06	S150	47	59,90
2,2	0,06	S150	48	62,90
2,7	0,07	S150	50	65,90
3,0	0,08	S150	52	69,90
3,3	0,08	S150	54	73,90
3,9	0,09	S150	56	77,90
4,7	0,10	S150	59	81,90
5,6	0,12	S150	63	92,90
6,8	0,13	S150	67	99,90
8,2	0,15	S150	71	105,90
10	0,18	S150	77	119,90
12	0,20	S150	82	135,90
15	0,24	S150	89	159,90
18	0,27	S150	95	179,90
22	0,33	S150	103	209,90
27	0,41	S150	114	249,90
33	0,50	S150	128	299,90