

CA Series common mode toroidal chokes provide an efficient means of filtering supply lines having in-phase signals of equal amplitude thus allowing equipment to meet stringent electrical radiation specifications. Wide frequency ranges can be filtered by using high and low inductance Common Mode toroids in series. Differential mode signals can be attenuated substantially when used together with input and output capacitors.

Features

- Separated windings for minimum capacitance
- Meets requirements of EN138100, VDE 0565, part2: 1997-03 and UL1283
- 1500 VAC, 50 Hz withstanding voltage for 60 seconds minimum, exceeding requirements of EN60335
- Competitive pricing due to high volume production
- Manufactured in ISO-9001 approved facility



Electrical Specifications at 25°C

Part Number	I _{bc} Amp	L _O (mH) ±30% (2x)	DCR mOhm (2x)	Coil Size O.D. x Ht. (Nominal)	Mtg. Style Size		
					B	V / X	F
CA__-0.4-100	0.4	100	2,807	18 x 7	3	3	3
CA__-0.5-100	0.5	100	2,044	23 x 11	5	4	4
CA__-0.6-100	0.6	100	1,543	29 x 13	5	4A	6
CA__-1.4-100	1.4	100	484	49 x 30	8	9	9
CA__-0.4-82	0.4	82	1,167	15 x 8	3	3	3
CA__-0.5-82	0.5	82	1,851	23 x 11	5	4	4
CA__-0.6-82	0.6	82	1,397	29 x 13	5	4A	6
CA__-1.6-82	1.6	82	350	51 x 32	8	9	9
CA__-0.3-68	0.3	68	3,692	15 x 8	3	2	2
CA__-0.5-68	0.5	68	1,853	18 x 7	3	3	3
CA__-0.6-68	0.6	68	1,353	23 x 11	5	4	4
CA__-0.7-68	0.7	68	1,108	29 x 13	5	4A	6
CA__-1.8-68	1.8	68	277	52 x 33	8	9	9
CA__-0.3-56	0.3	56	3,126	14 x 8	3	2	2
CA__-0.5-56	0.5	56	1,518	18 x 7	3	3	3
CA__-0.6-56	0.6	56	1,378	23 x 11	5	4	4
CA__-0.8-56	0.8	56	807	29 x 13	5	4A	6
CA__-2.0-56	2.0	56	228	52 x 33	8	9	9
CA__-0.4-47	0.4	47	1,942	14 x 8	3	2	2
CA__-0.5-47	0.5	47	1,390	18 x 7	3	3	3
CA__-0.6-47	0.6	47	1,001	23 x 11	5	4	4
CA__-0.9-47	0.9	47	658	29 x 13	5	4A	6
CA__-2.2-47	2.2	47	185	52 x 33	8	9	9
CA__-0.4-39	0.4	39	1,769	14 x 8	3	2	2
CA__-0.5-39	0.5	39	1,267	18 x 7	3	3	3
CA__-0.6-39	0.6	39	912	23 x 11	5	4	4
CA__-1.0-39	1.0	39	537	29 x 13	5	4A	6
CA__-2.5-39	2.5	39	150	53 x 34	8	9	9
CA__-0.4-33	0.4	33	1,628	14 x 8	3	2	2
CA__-0.6-33	0.6	33	837	18 x 7	3	3	3
CA__-0.7-33	0.7	33	751	23 x 11	5	4	4
CA__-1.1-33	1.1	33	434	29 x 13	5	5	6
CA__-2.7-33	2.7	33	124	53 x 34	8	9	9
CA__-0.5-27	0.5	27	1,179	14 x 8	3	2	2
CA__-0.8-27	0.8	27	674	18 x 7	3	3	3
CA__-1.0-27	1.0	27	537	23 x 11	5	4	4
CA__-1.4-27	1.4	27	279	30 x 14	5	4A	6
CA__-3.2-27	3.2	27	87	56 x 37	8	9	9
CA__-0.5-22	0.5	22	960	14 x 8	3	2	2
CA__-0.9-22	0.9	22	542	18 x 7	3	3	3
CA__-1.0-22	1.0	22	485	23 x 11	5	4	4
CA__-1.5-22	1.5	22	227	30 x 14	5	4A	6
CA__-3.6-22	3.6	22	70	57 x 38	8	9	9
CA__-0.6-18	0.6	18	868	14 x 8	3	2	2
CA__-1.0-18	1.0	18	439	18 x 7	3	3	3
CA__-1.1-18	1.1	18	388	23x 11	5	4	4
CA__-1.6-18	1.6	18	205	30 x 14	5	4A	6
CA__-3.9-18	3.9	18	57	57 x 38	8	9	9
CA__-0.6-15	0.6	15	793	14 x 8	3	2	2
CA__-1.0-15	1.0	15	401	18 x 7	3	3	3
CA__-1.2-15	1.2	15	315	23 x 11	5	4	4
CA__-1.8-15	1.8	15	167	30 x 14	5	4A	6
CA__-4.3-15	4.3	15	47	57 x 38	8	9	9
CA__-0.7-12	0.7	12	709	14 x 8	3	2	2
CA__-1.1-12	1.1	12	358	18 x 7	3	3	3
CA__-1.4-12	1.4	12	253	23 x 11	5	4	4
CA__-1.9-12	1.9	12	149	30 x 13	5	4A	6
CA__-4.9-12	4.9	12	37	57 x 38	8	9	9
CA__-0.7-10	0.7	10	647	14 x 8	3	2	2
CA__-1.2-10	1.2	10	285	18 x 7	3	3	3
CA__-1.6-10	1.6	10	203	23 x 11	5	4	4
CA__-2.0-10	2.0	10	136	29 x 13	5	4A	6
CA__-5.0-10	5.0	10	34	54 x 35	8	9	9
CA__-1.1-6.8	1.1	6.8	342	14 x 8	3	2	2
CA__-1.3-6.8	1.3	6.8	235	18 x 7	3	3	3
CA__-2.0-6.8	2.0	6.8	148	23 x 11	5	4	4
CA__-2.6-6.8	2.6	6.8	79	30 x 13	5	4A	6
CA__-5.5-6.8	5.5	6.9	28	50 x 31	8	9	9



CA Series • Common Mode Toroidal Chokes

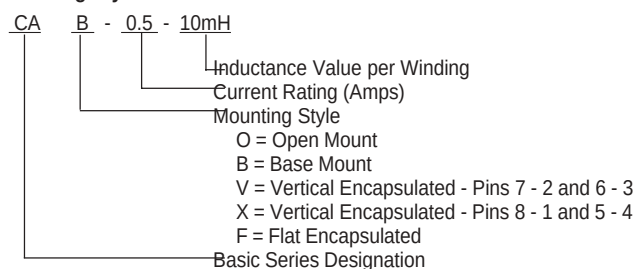
Part Number	I _{dc} Amp	L _O (mH) ±30% (2x)	DCR mOhm (2x)	Coil Size O.D. x Ht. (Nominal)	Mtg. Style Size		
					B	V / X	F
CA_-1.2-5.6	1.2	5.6	276	14 x 8	3	2	2
CA_-1.5-5.6	1.5	5.6	193	18 x 7	3	3	3
CA_-2.0-5.6	2.0	5.6	120	23 x 11	5	4	4
CA_-2.8-5.6	2.8	5.6	72	29 x 13	5	4A	6
CA_-5.9-5.6	5.9	5.6	26	49 x 30	8	9	9
CA_-1.2-4.7	1.2	4.7	253	14 x 8	3	2	2
CA_-1.6-4.7	1.6	4.7	110	18 x 7	3	3	3
CA_-1.9-4.7	1.9	4.7	99	23 x 11	5	4	4
CA_-3.0-4.7	3.0	4.7	58	29 x 13	5	5	6
CA_-6.2-4.7	6.2	4.7	23	447 x 28	8	9	9
CA_-1.3-3.9	1.3	3.9	230	14 x 8	3	2	2
CA_-1.8-3.9	1.8	3.9	100	18 x 7	3	3	3
CA_-2.1-3.9	2.1	3.9	81	23 x 11	5	4	4
CA_-3.5-3.9	3.5	3.9	42	30 x 14	5	5	6
CA_-6.8-3.9	6.8	3.9	19	47 x 28	8	9	9
CA_-1.5-3.3	1.5	3.3	165	14 x 8	3	2	2
CA_-2.0-3.3	2.0	3.3	92	18 x 7	3	3	3
CA_-3.0-3.3	3.0	3.3	52	23 x 11	5	4	4
CA_-4.0-3.3	4.0	3.3	34	30 x 14	5	5	6
CA_-7.5-3.3	7.5	3.3	16	48 x 29	8	9	9
CA_-1.5-2.7	1.5	2.7	172	14 x 8	3	2	2
CA_-2.2-2.7	2.2	2.7	83	18 x 7	3	3	3
CA_-3.5-2.7	3.5	2.7	47	23 x 11	5	4	4
CA_-4.8-2.7	4.8	2.7	22	30 x 14	5	5	6
CA_-7.8-2.7	7.8	2.7	14	46 x 27	8	9	9
CA_-1.6-2.2	1.6	2.2	135	14 x 7	3	2	2
CA_-2.3-2.2	2.3	2.2	75	18 x 7	3	3	3
CA_-4.0-2.2	4.0	2.2	30	23 x 11	5	4	4
CA_-5.8-2.2	5.8	2.2	16	31 x 15	5	5	6
CA_-8.2-2.2	8.2	2.2	13	45 x 26	8	9	9
CA_-1.6-1.8	1.6	1.8	111	14 x 8	3	2	2
CA_-2.5-1.8	2.5	1.8	60	18 x 7	3	3	3
CA_-4.5-1.8	4.5	1.8	27	23 x 11	5	4	4
CA_-6.0-1.8	6.0	1.8	14	30 x 14	5	5	6
CA_-8.7-1.8	8.7	1.8	12	43 x 24	8	9	9
CA_-1.8-1.5	1.8	1.5	89	14 x 8	3	2	2
CA_-2.8-1.5	2.8	1.5	49	18 x 7	3	3	3
CA_-5.0-1.5	5.0	1.5	22	23 x 11	5	4	4
CA_-7.0-1.5	7.0	1.5	11	31 x 15	5	5	6
CA_-9.1-1.5	9.1	1.5	11	42 x 23	8	9	9
CA_-1.9-1.2	1.9	1.2	71	14 x 8	3	2	2
CA_-3.1-1.2	3.1	1.2	44	18 x 7	3	3	3
CA_-5.0-1.2	5.0	1.2	20	23 x 11	5	4	4
CA_-7.5-1.2	7.5	1.2	10	30 x 41	5	5	6
CA_-9.6-1.2	9.6	1.2	10	41 x 22	8	9	9
CA_-2.0-1.0	2.0	1.0	65	14 x 8	3	2	2
CA_-3.5-1.0	3.5	1.0	32	18 x 6	3	3	3
CA_-5.0-1.0	5.0	1.0	18	23 x 11	5	4	4
CA_-7.8-1.0	7.8	1.0	9	30 x 14	5	5	6
CA_-10-1.0	10	1.0	9	40 x 21	8	9	9
CA_-2.8-0.68	2.8	0.68	37	14 x 8	3	2	2
CA_-4.2-0.68	4.2	0.68	21	18 x 7	3	3	3
CA_-6.0-0.68	6.0	0.68	13	23 x 11	5	4	4
CA_-8.5-0.68	8.5	0.68	7	30 x 14	5	4A	6
CA_-11-0.68	11	0.68	7	39 x 20	8	9	9
CA_-3.6-0.47	3.6	0.47	28	14 x 8	3	2	2
CA_-6.0-0.47	6.0	0.47	11	18 x 7	3	3	3
CA_-7.0-0.47	7.0	0.47	10	23 x 11	5	4	4
CA_-9.5-0.47	9.5	0.47	6	29 x 13	5	5	6
CA_-12-0.47	12	0.47	6	37 x 18	8	9	9
CA_-3.2-0.33	3.2	0.33	17	14 x 8	3	2	2
CA_-6.1-0.33	6.1	0.33	7	18 x 6	3	3	3
CA_-7.2-0.33	7.2	0.33	7	23 x 11	5	4	4
CA_-10-0.33	10	0.33	5	29 x 13	5	4A	6
CA_-13-0.33	13	0.33	5	36 x 17	8	9	9
CA_-3.7-0.22	3.7	0.22	12	14 x 8	3	2	2
CA_-7.6-0.22	7.6	0.22	5	18 x 7	3	3	3
CA_-8.9-0.22	8.9	0.22	4	23 x 11	5	4	4
CA_-11-0.22	11	0.22	4	29 x 12	5	5	6
CA_-13-0.22	13	0.22	4	35 x 16	8	9	9
CA_-4.6-0.15	4.6	0.15	8	14 x 8	3	2	2
CA_-9.3-0.15	9.3	0.15	3	18 x 7	3	3	3
CA_-10-0.15	10	0.15	3	23 x 11	5	4	4
CA_-12-0.15	12	0.15	3	29 x 12	5	5	6
CA_-16-0.15	16	0.15	3	35 x 16	8	9	9
CA_-5.7-0.10	5.7	0.10	5	14 x 8	3	2	2
CA_-10-0.10	10	0.10	2	18 x 7	3	3	3
CA_-12-0.10	12	0.10	2	22 x 11	5	4	4
CA_-13-0.10	13	0.10	3	28 x 12	5	5	6
CA_-17-0.10	17	0.10	3	32 x 13	8	9	9

Talema's Engineering staff can assist in the design of other inductance values and sizes.

Notes:

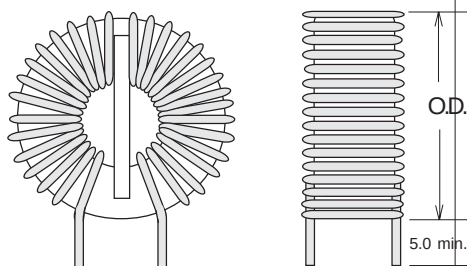
- Inductance measured at 25°C and 10 kHz.
L < 2mH test level < 2.5mA
L > 2mH test level < 250mV
- Inductance loss <10% by DC preload
with I_N (current compensated).
- DC Resistance measured at 25°C ±5°C.
- Test voltage per VDE 0565/2
- 250 VAC Nominal Operating Voltage
- Maximum Ambient Temperature: 60°C

Ordering Key

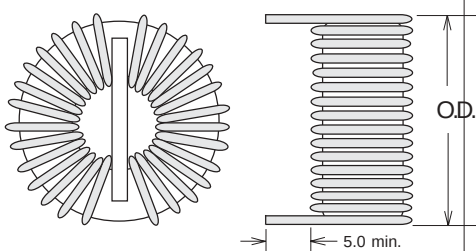


Mounting Style • CA Series • Common Mode Toroidal Chokes

Style 'OV' = Open - Vertical Mount

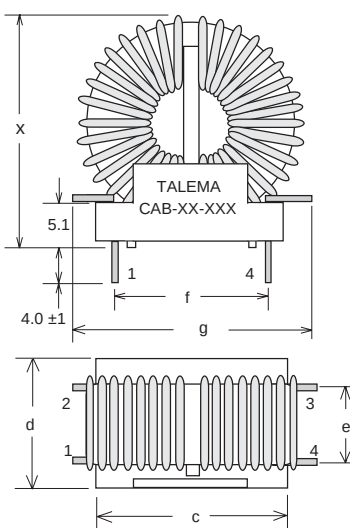


Style 'OH' = Open - Horizontal Mount

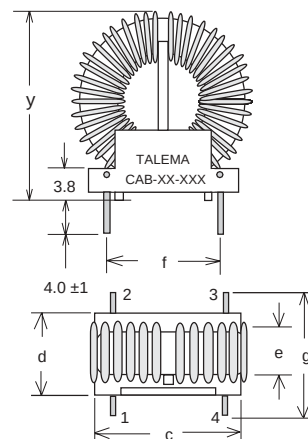


Type B - Base Mount

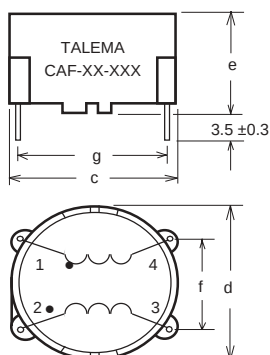
Style B-I



Style B-II

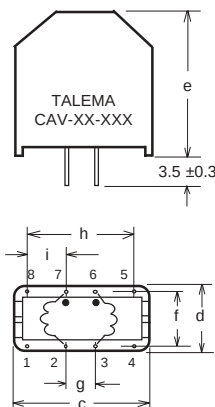


**Flat Mount
Type F**

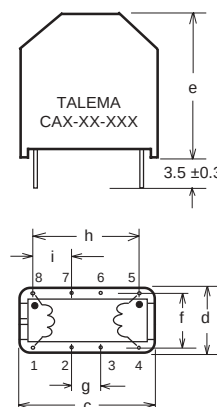


Vertical Mount

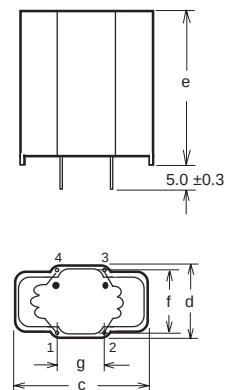
Type V



Type X



Size 4A



Mounting Style		Size Code	Dimensions Nominal (mm)								Pin Ø
			c	d	e	f	g	h	i	x	
Base Mount	B-II	3	19.1	10.8	6.4	15.2	15.9	--	--	Coil O.D. + 3.8	1.02
	B-I	5	25.4	16.0	10.2	20.3	34.3	--	--	Coil O.D. + 3.5	1.27
		8	27.9	20.3	15.2	22.9	36.8	--	--		
Vertical Mount	"V" Pins 7-2 & 6-3	2	17.8	12.8	20.0	10.0	5.0	15.0	5.0	--	0.60 x 0.88
		3	23.0	15.5	25.0	12.5	10.0	20.0	5.0	--	0.60 x 0.88
		4	27.0	18.0	30.0	15.0	12.5	22.5	5.0	--	0.60 x 0.88
	"X" Pins 8-1 & 5-4	4A	32.5	18.0	35.0	15.0	12.5	--	--	--	0.60 x 0.88
		5	32.0	20.5	35.0	17.5	12.5	27.5	7.5	--	0.75 x 1.10
Flat Mount	F	9	43.0	28.0	47.5	25.0	25.0	40.0	7.5	--	0.75 x 1.10
		2	17.5	17.0	12.5	10.0	15.0	--	--	--	0.60 x 0.88
		3	22.5	22.0	15.0	12.5	20.0	--	--	--	0.60 x 0.88
		4	27.5	27.0	17.5	15.0	25.0	--	--	--	0.60 x 0.88
		6	32.5	32.0	20.0	20.0	30.0	--	--	--	0.60 x 0.88
		9	42.5	42.0	28.5	25.0	35.0	--	--	--	0.60 x 0.88