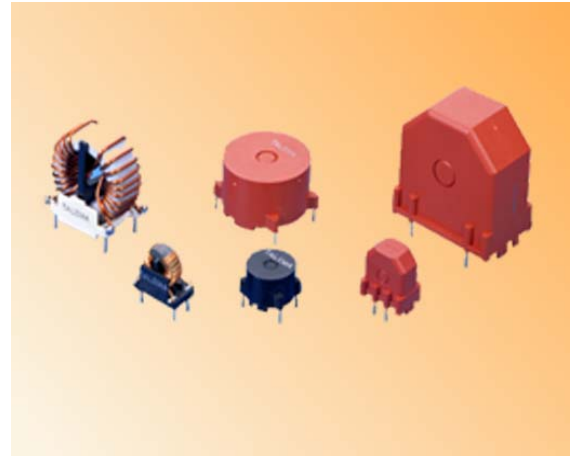


CA Series • Common Mode Toroidal Chokes

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 & UL1283
- Competitive pricing due to high volume production
- Manufactured in ISO 9001:2015 and ISO 14001:2015 certified Talema facility
- Fully RoHS & REACH Compliant



Electrical Specifications @25°C

Test frequency: Inductance measured @10KHz / 0.50Vac

Test voltage between windings: 1500Vac

Operating temperature: -40°C to +125°C

Climatic category: IEC68-1 40/125/56



| 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__-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 | 35 x 16 | 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 | 35 x 16 | 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 | 35 x 16 | 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 | 35 x 16 | 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 | 35 x 16 | 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 | 36 x 17 | 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 | 36 x 17 | 8 | 9 | 9 |

| 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__-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 | 37 x 17 | 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 | 37 x 17 | 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 | 36 x 17 | 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 | 36 x 17 | 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 | 36 x 17 | 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 | 36 x 17 | 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 | 35 x 16 | 8 | 9 | 9 |

CA Series • Common Mode Toroidal Chokes

Electrical Specifications @25°C

| Part Number | I _{DC} Amp | L ₀ (mH) ±30% (2x) | DCR mOhm (2x) | Coil Size O.D. x Ht. (Nominal) | Mtg. Style Size | | | Part Number | I _{DC} Amp | L ₀ (mH) ±30% (2x) | DCR mOhm (2x) | Coil Size O.D. x Ht. (Nominal) | Mtg. Style Size | | |
|-------------|------------------------|-------------------------------------|---------------------|--------------------------------------|--------------------|-------|---|--------------|------------------------|-------------------------------------|---------------------|--------------------------------------|--------------------|-------|---|
| | | | | | B | V / X | F | | | | | | B | V / X | F |
| CA_-1.2-5.6 | 1.2 | 5.6 | 276 | 14 x 8 | 3 | 2 | 2 | CA_-1.9-1.2 | 1.9 | 1.2 | 71 | 14 x 8 | 3 | 2 | 2 |
| CA_-1.5-5.6 | 1.5 | 5.6 | 193 | 18 x 7 | 3 | 3 | 3 | CA_-3.1-1.2 | 3.1 | 1.2 | 44 | 18 x 7 | 3 | 3 | 3 |
| CA_-2.0-5.6 | 2.0 | 5.6 | 120 | 23 x 11 | 5 | 4 | 4 | CA_-5.0-1.2 | 5.0 | 1.2 | 20 | 23 x 11 | 5 | 4 | 4 |
| CA_-2.8-5.6 | 2.8 | 5.6 | 72 | 29 x 13 | 5 | 4A | 6 | CA_-7.5-1.2 | 7.5 | 1.2 | 10 | 30 x 41 | 5 | 5 | 6 |
| CA_-5.9-5.6 | 5.9 | 5.6 | 26 | 35 x 16 | 8 | 9 | 9 | CA_-9.6-1.2 | 9.6 | 1.2 | 10 | 33 x 14 | 8 | 9 | 9 |
| CA_-1.2-4.7 | 1.2 | 4.7 | 253 | 14 x 8 | 3 | 2 | 2 | CA_-2.0-1.0 | 2.0 | 1.0 | 65 | 14 x 8 | 3 | 2 | 2 |
| CA_-1.6-4.7 | 1.6 | 4.7 | 110 | 18 x 7 | 3 | 3 | 3 | CA_-3.5-1.0 | 3.5 | 1.0 | 32 | 18 x 6 | 3 | 3 | 3 |
| CA_-1.9-4.7 | 1.9 | 4.7 | 99 | 23 x 11 | 5 | 4 | 4 | CA_-5.0-1.0 | 5.0 | 1.0 | 18 | 23 x 11 | 5 | 4 | 4 |
| CA_-3.0-4.7 | 3.0 | 4.7 | 58 | 29 x 13 | 5 | 5 | 6 | CA_-7.8-1.0 | 7.8 | 1.0 | 9 | 30 x 14 | 5 | 5 | 6 |
| CA_-6.2-4.7 | 6.2 | 4.7 | 23 | 34 x 15 | 8 | 9 | 9 | CA_-10-1.0 | 10 | 1.0 | 9 | 33 x 14 | 8 | 9 | 9 |
| CA_-1.3-3.9 | 1.3 | 3.9 | 230 | 14 x 8 | 3 | 2 | 2 | CA_-2.8-0.68 | 2.8 | 0.68 | 37 | 14 x 8 | 3 | 2 | 2 |
| CA_-1.8-3.9 | 1.8 | 3.9 | 100 | 18 x 7 | 3 | 3 | 3 | CA_-4.2-0.68 | 4.2 | 0.68 | 21 | 18 x 7 | 3 | 3 | 3 |
| CA_-2.1-3.9 | 2.1 | 3.9 | 81 | 23 x 11 | 5 | 4 | 4 | CA_-6.0-0.68 | 6.0 | 0.68 | 13 | 23 x 11 | 5 | 4 | 4 |
| CA_-3.5-3.9 | 3.5 | 3.9 | 42 | 30 x 14 | 5 | 5 | 6 | CA_-8.5-0.68 | 8.5 | 0.68 | 7 | 30 x 14 | 5 | 4A | 6 |
| CA_-6.8-3.9 | 6.8 | 3.9 | 19 | 34 x 15 | 8 | 9 | 9 | CA_-11-0.68 | 11 | 0.68 | 7 | 33 x 14 | 8 | 9 | 9 |
| CA_-1.5-3.3 | 1.5 | 3.3 | 165 | 14 x 8 | 3 | 2 | 2 | CA_-3.6-0.47 | 3.6 | 0.47 | 28 | 14 X 8 | 3 | 2 | 2 |
| CA_-2.0-3.3 | 2.0 | 3.3 | 92 | 18 x 7 | 3 | 3 | 3 | CA_-6.0-0.47 | 6.0 | 0.47 | 11 | 18 x 7 | 3 | 3 | 3 |
| CA_-3.0-3.3 | 3.0 | 3.3 | 52 | 23 x 11 | 5 | 4 | 4 | CA_-7.0-0.47 | 7.0 | 0.47 | 10 | 23 x 11 | 5 | 4 | 4 |
| CA_-4.0-3.3 | 4.0 | 3.3 | 34 | 30 x 14 | 5 | 5 | 6 | CA_-9.5-0.47 | 9.5 | 0.47 | 6 | 29 x 13 | 5 | 5 | 6 |
| CA_-7.5-3.3 | 7.5 | 3.3 | 16 | 34 x 15 | 8 | 9 | 9 | CA_-12-0.47 | 12 | 0.47 | 6 | 32 x 13 | 8 | 9 | 9 |
| CA_-1.5-2.7 | 1.5 | 2.7 | 172 | 14 x 8 | 3 | 2 | 2 | CA_-3.2-0.33 | 3.2 | 0.33 | 17 | 14 x 8 | 3 | 2 | 2 |
| CA_-2.2-2.7 | 2.2 | 2.7 | 83 | 18 x 7 | 3 | 3 | 3 | CA_-6.1-0.33 | 6.1 | 0.33 | 7 | 18 x 6 | 3 | 3 | 3 |
| CA_-3.5-2.7 | 3.5 | 2.7 | 47 | 23 x 11 | 5 | 4 | 4 | CA_-7.2-0.33 | 7.2 | 0.33 | 7 | 23 x 11 | 5 | 4 | 4 |
| CA_-4.8-2.7 | 4.8 | 2.7 | 22 | 30 x 14 | 5 | 5 | 6 | CA_-10-0.33 | 10 | 0.33 | 5 | 29 X 13 | 5 | 4A | 6 |
| CA_-7.8-2.7 | 7.8 | 2.7 | 14 | 34 x 15 | 8 | 9 | 9 | CA_-13-0.33 | 13 | 0.33 | 5 | 32 x 13 | 8 | 9 | 9 |
| CA_-1.6-2.2 | 1.6 | 2.2 | 135 | 14 x 7 | 3 | 2 | 2 | CA_-3.7-0.22 | 3.7 | 0.22 | 12 | 14 x 8 | 3 | 2 | 2 |
| CA_-2.3-2.2 | 2.3 | 2.2 | 75 | 18 x 7 | 3 | 3 | 3 | CA_-7.6-0.22 | 7.6 | 0.22 | 5 | 18 x 7 | 3 | 3 | 3 |
| CA_-4.0-2.2 | 4.0 | 2.2 | 30 | 23 x 11 | 5 | 4 | 4 | CA_-8.9-0.22 | 8.9 | 0.22 | 4 | 23 x 11 | 5 | 4 | 4 |
| CA_-5.8-2.2 | 5.8 | 2.2 | 16 | 31 x 15 | 5 | 5 | 6 | CA_-11-0.22 | 11 | 0.22 | 4 | 29 x 12 | 5 | 5 | 6 |
| CA_-8.2-2.2 | 8.2 | 2.2 | 13 | 34 x 15 | 8 | 9 | 9 | CA_-13-0.22 | 13 | 0.22 | 4 | 32 x 13 | 8 | 9 | 9 |
| CA_-1.6-1.8 | 1.6 | 1.8 | 111 | 14 x 8 | 3 | 2 | 2 | CA_-4.6-0.15 | 4.6 | 0.15 | 8 | 14 x 8 | 3 | 2 | 2 |
| CA_-2.5-1.8 | 2.5 | 1.8 | 60 | 18 x 7 | 3 | 3 | 3 | CA_-9.3-0.15 | 9.3 | 0.15 | 3 | 18 x 7 | 3 | 3 | 3 |
| CA_-4.5-1.8 | 4.5 | 1.8 | 27 | 23 x 11 | 5 | 4 | 4 | CA_-10-0.15 | 10 | 0.15 | 3 | 23 x 11 | 5 | 4 | 4 |
| CA_-6.0-1.8 | 6.0 | 1.8 | 14 | 30 x 14 | 5 | 5 | 6 | CA_-12-0.15 | 12 | 0.15 | 3 | 29 x 12 | 5 | 5 | 6 |
| CA_-8.7-1.8 | 8.7 | 1.8 | 12 | 34 x 15 | 8 | 9 | 9 | CA_-16-0.15 | 16 | 0.15 | 3 | 32 x 13 | 8 | 9 | 9 |
| CA_-1.8-1.5 | 1.8 | 1.5 | 89 | 14 x 8 | 3 | 2 | 2 | CA_-5.7-0.10 | 5.7 | 0.10 | 5 | 14 x 8 | 3 | 2 | 2 |
| CA_-2.8-1.5 | 2.8 | 1.5 | 49 | 18 x 7 | 3 | 3 | 3 | CA_-10-0.10 | 10 | 0.10 | 2 | 18 x 7 | 3 | 3 | 3 |
| CA_-5.0-1.5 | 5.0 | 1.5 | 22 | 23 x 11 | 5 | 4 | 4 | CA_-12-0.10 | 12 | 0.10 | 2 | 22 x 11 | 5 | 4 | 4 |
| CA_-7.0-1.5 | 7.0 | 1.5 | 11 | 31 x 15 | 5 | 5 | 6 | CA_-13-0.10 | 13 | 0.10 | 3 | 28 x 12 | 5 | 5 | 6 |
| CA_-9.1-1.5 | 9.1 | 1.5 | 11 | 33 x 14 | 8 | 9 | 9 | CA_-17-0.10 | 17 | 0.10 | 3 | 32 x 13 | 8 | 9 | 9 |

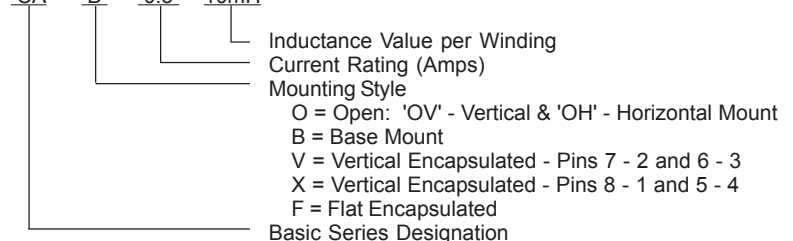
Talema's Engineering staff can assist in the design of other inductance values and sizes.

Notes:

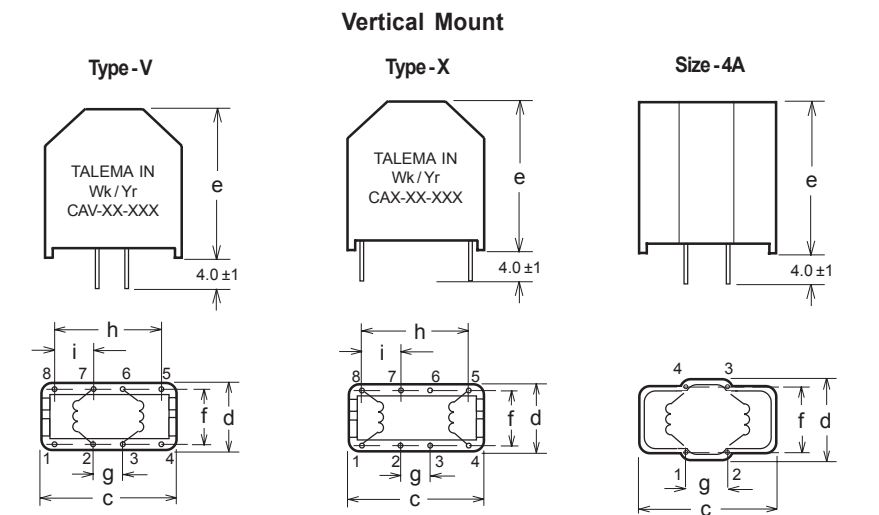
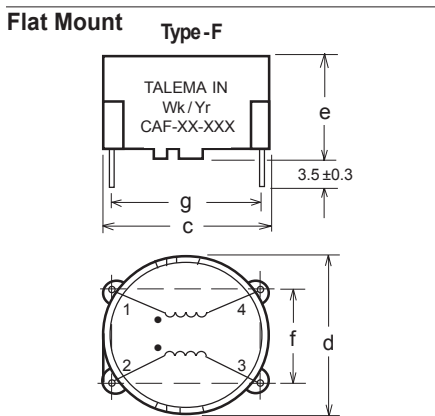
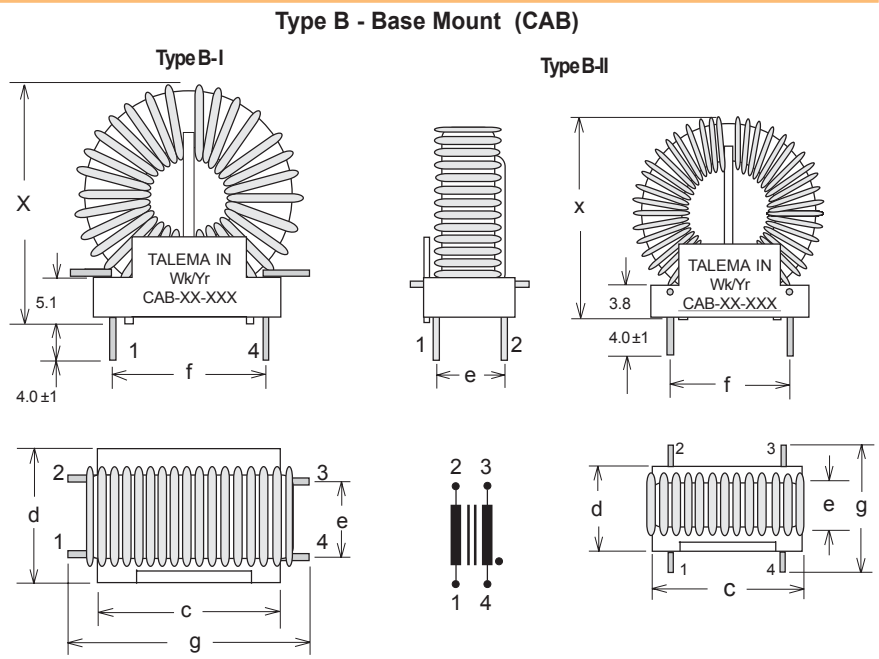
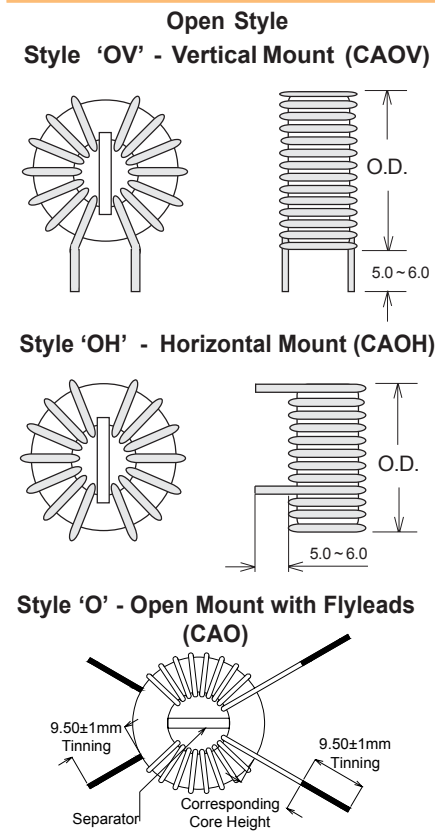
- Inductance measured @10 KHz
L < 2mH test level < 2.5mA
L > 2mH test level < 250mV
- Inductance loss <10% by DC preload with I_N (current compensated).
- DC Resistance measured at 25°C ±5°C.
- Test voltage per VDE 0565/2
- 250Vac Nominal Operating Voltage
- Maximum Ambient Temperature: 60°C

Ordering Key

CA B - 0.5 - 10mH



Mounting Style • CA Series • Common Mode Toroidal Chokes



| Mounting Style | Size Code | Dimension Tolerance - Inches ±0.010 (mm±0.25) | | | | | | | | | |
|----------------|--------------------|---|------|------|------|------|------|------|-----|-----------------|-------------|
| | | c | d | e | f | g | h | i | x | Pin Ø | |
| 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 | 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 |
| | 7-2 & 6-3 "X" Pins | 4 | 27.0 | 18.0 | 30.0 | 15.0 | 12.5 | 22.5 | 5.0 | -- | 0.60 x 0.88 |
| | | 4A | 32.5 | 18.0 | 35.0 | 15.0 | 12.5 | -- | -- | -- | 0.75 x 1.10 |
| | | 5 | 32.0 | 20.5 | 35.0 | 17.5 | 12.5 | 27.5 | 7.5 | -- | 0.75 x 1.10 |
| Flat Mount | F | 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 |

Regional Locations - Design, Manufacturing, Sales & Marketing

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Locations of Talema Group Regional Offices

