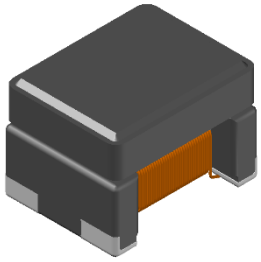
CME-CSCF4532B-A SERIES

Features

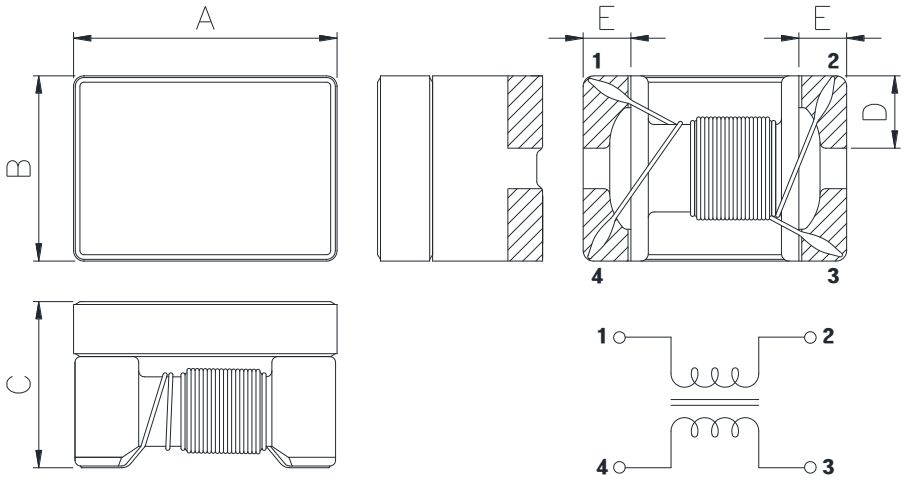


- ▶ Signal line Common mode Filter.
- ▶ It is effective in reducing noise with high common mode impedance.
- ▶ Low stray capacitance.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.

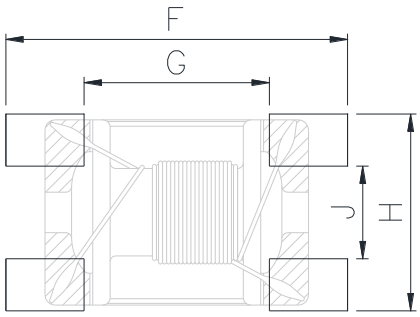
Applications

- ▶ CAN-BUS, FAXs, modems, ISDNs, etc.

Dimension (Unit:mm)



Land Pattern (Unit:mm)



A	B	C	D	E
4.5 ±0.2	3.2 ±0.2	2.8 ±0.2	1.3 ±0.2	0.8 ±0.2

F	G	H	J
5.9	3.2	3.4	1.6

▪ **You can also contact us by e-mail : coilmaster@coilmaster.com**
▪ All specifications are subject to change without notice.
▪ Update date : 2025.10.28 (Rev.3.4)

Regulation of part number

CME	-	CSCF	4532	B	-	4R7	T	120	-	A
③		②	③	④		⑤	⑥	⑦		⑧

① CoilMaster's initial
② Series Name : Car Signal line Common mode Filter
③ Core Size (unit:mm)
④ Type
⑤ Common mode inductance value (4.7uH)
⑥ Packing type
⑦ Rated Current
⑧ Internal code

Specifications

Part Number	Common Mode Inductane (µH)	Common Mode Impedance (Ω) Min.(Typ.)	DCR (Ω) Max.	Rated Current (mA) Max.	Insulation Resistance (MΩ) Min.	Rated Voltage (V) Max.
CME-CSCF4532B-4R7T120-A	4.7	160(230)	0.12	1200	10	50
CME-CSCF4532B-110T25-A	11	300(600)	0.6	360	10	50
CME-CSCF4532B-220T20-A	22	500(1200)	1.0	310	10	50
CME-CSCF4532B-510T20-A	51	1000(2800)	1.0	230	10	50
CME-CSCF4532B-101T15-A	100	2000(5800)	2.0	150	10	50

▪ Inductance test condition : 100 kHz (L tolerence+50/-30%)
▪ Impedance test condition : 10 MHz
▪ Operating Temperature Range : -40˚c ~ +150 ˚c

Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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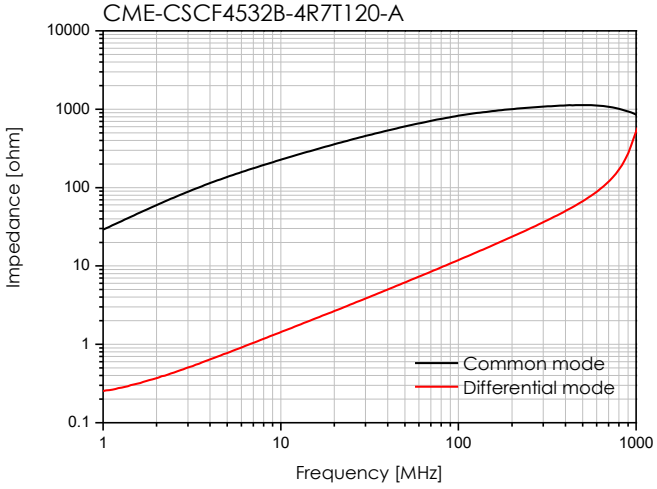
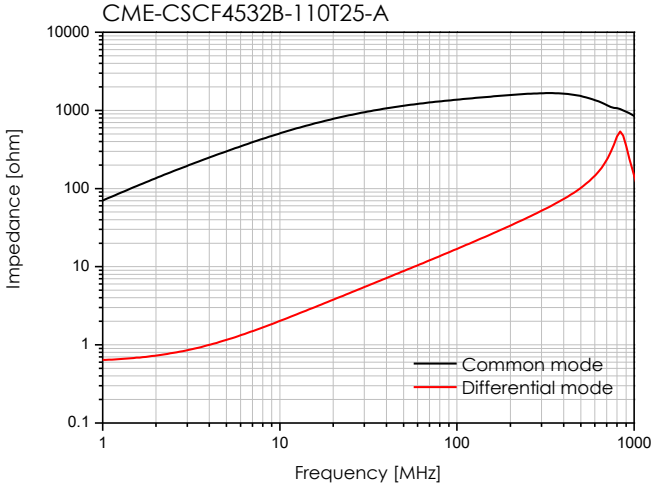
Impedance VS Frequency characteristics

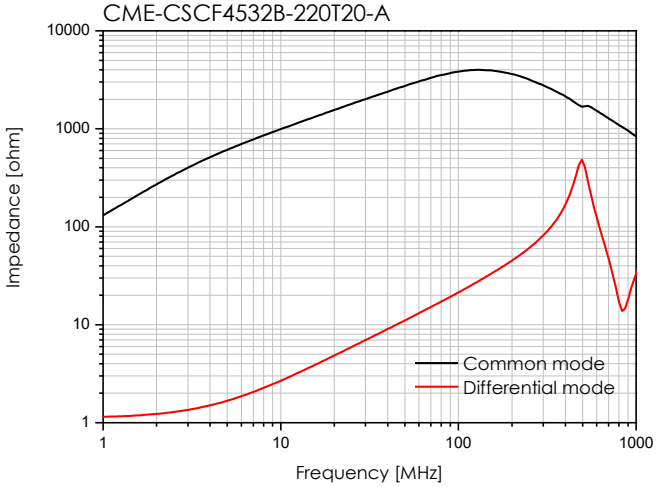
CME-CSCF4532B-4R7T120-A



CME-CSCF4532B-110T25-A



CME-CSCF4532B-220T20-A



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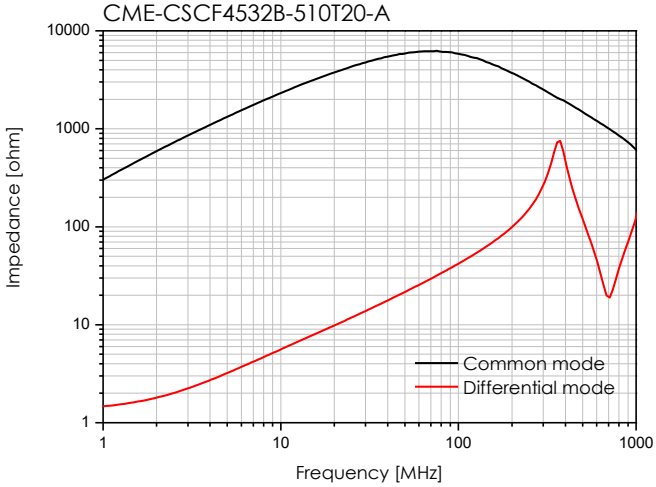
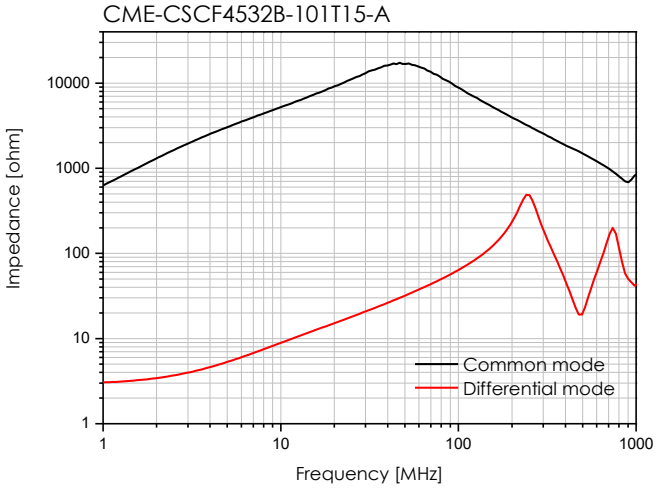


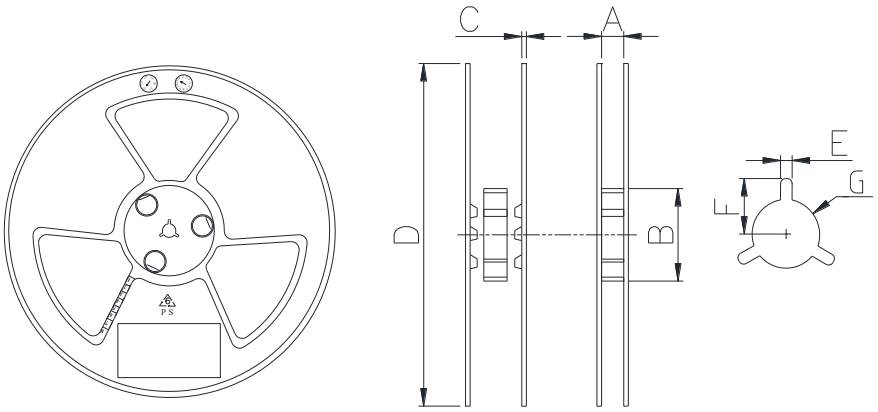
CME-CSCF4532B-101T15-A



Packaging

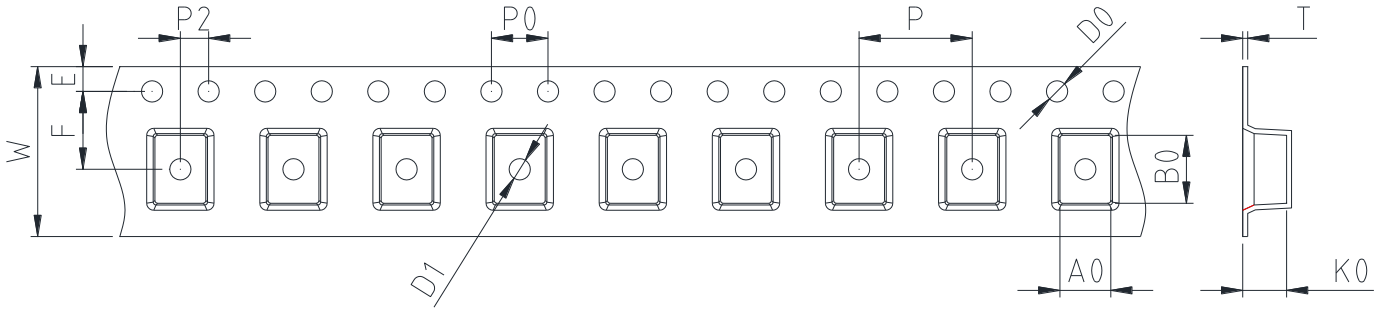
(1) Package quantity : 2,500 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F
12.50 +0.50 -0.50	100.0 +1.00 -1.00	2.30 +0.20 -0.20	330.0 +3.00 -3.00	2.30 +0.30 -0.30	10.75 +0.30 -0.30

(3) Tape Dimensions



W	A0	B0	K0	E	F	P	P0	P2	D0/D1	T
12.00 +0.30 -0.10	3.60 +0.10 -0.10	4.80 +0.10 -0.10	3.10 +0.10 -0.10	1.75 +0.10 -0.10	5.50 +0.10 -0.10	8.00 +0.10 -0.10	4.00 +0.10 -0.10	2.00 +0.10 -0.10	1.50 +0.10 -0.00	0.35 +0.05 -0.05

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