



CME-CHMCB451616A-SERIES

Features

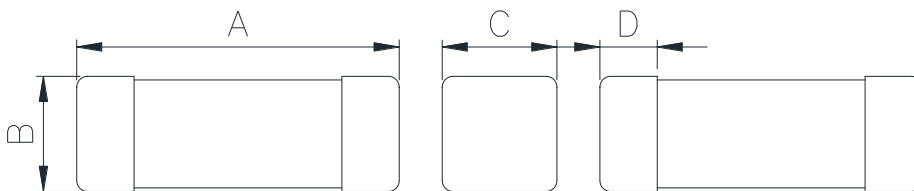
- ▶ Halogen-Free / RoHS compliant.
- ▶ Small size chips generate high impedance
- ▶ Monolithic structure for high reliability
- ▶ Excellent solderability and high heat resistance for either flow or reflow soldering
- ▶ The HMCB series can be used on high current circuits due to its low DC resistance.



Applications

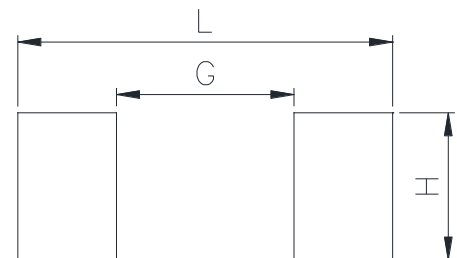
- ▶ Mother board, Tablet PC, Notebook, Desktop computers and peripheral equipment / DSC, DVC, LCD TV, Set top box / Digital communication equipment / Various automotive electronics / Various power line of electronic equipment

Dimension (Unit:mm(inch))



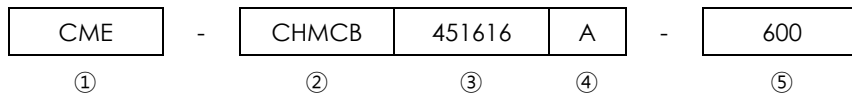
A	B	C	D
4.5±0.2	1.6±0.2	1.6±0.2	0.6~1.0

Land Pattern (Unit:mm)



L	G	H
5.70	2.70	2.24

Regulation of part number



- ① CoilMaster's initial
- ② Product Series Name
- ③ Core Size (unit:mm)
- ④ Material Code
- ⑤ Normal Impedance (600 : 60 ohm)

Specifications

Part Number	Impedance (ohm) ±25%	DCR(ohm) Max.	Rated Current (A)Max.
CME-CHMCB451616A-600	60	0.04	3.00
CME-CHMCB451616A-800	80	0.04	3.00
CME-CHMCB451616A-101	100	0.04	3.00
CME-CHMCB451616A-181	180	0.04	3.00
CME-CHMCB451616A-851	850	0.10	1.50
CME-CHMCB451616A-102	1000	0.09	1.50

- Test Condition : 100 MHz, 500 mV
- Rated Current : the DC current value having temperature increased 40 °c after thru DC current 2 hours at ambient temperature.
- Storage Temperature Range : -40 °c ~ +85 °c
- Operating Temperature Range : -55 °c ~ +125 °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.

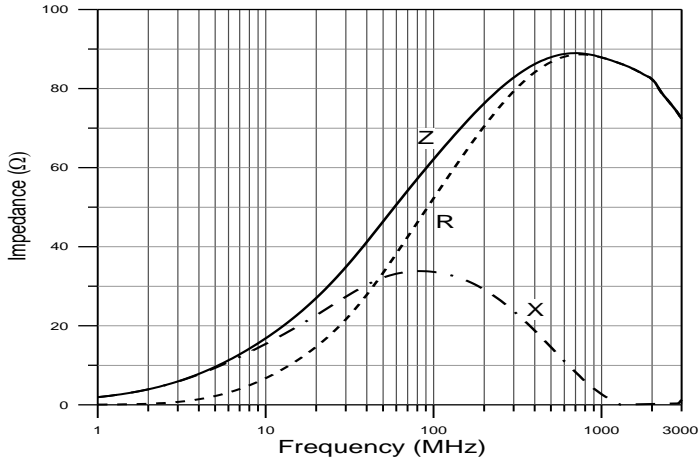
▪ You can also contact us by e-mail : coilmaster@coilmaster.com

- All specifications are subject to change without notice.
- Update date : 2023.03.29

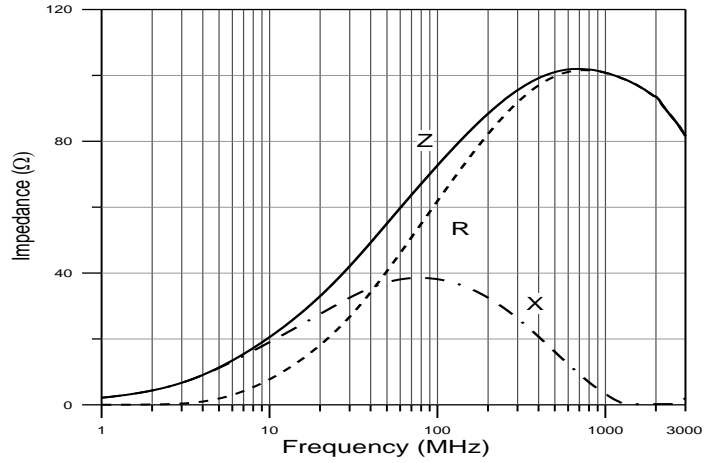
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Electrical characteristics

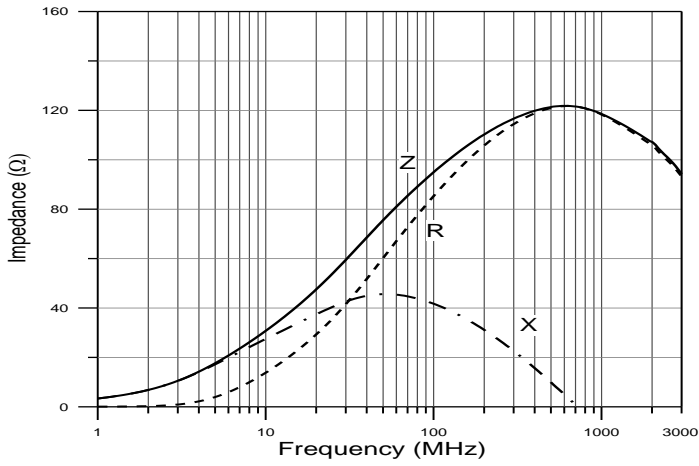
CME-CHMCB451616A-600



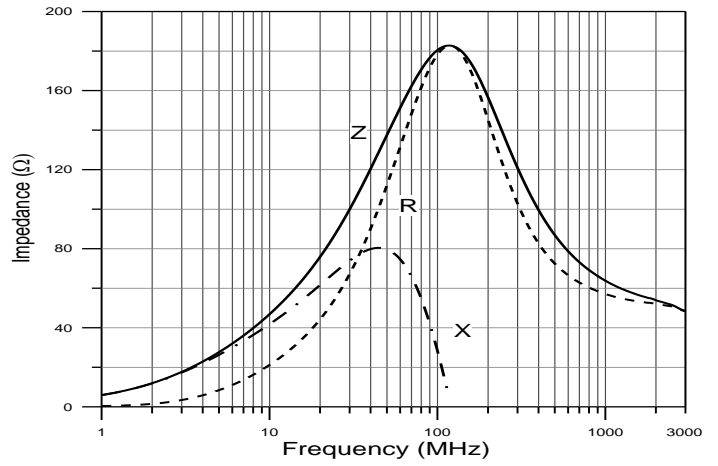
CME-CHMCB451616A-800



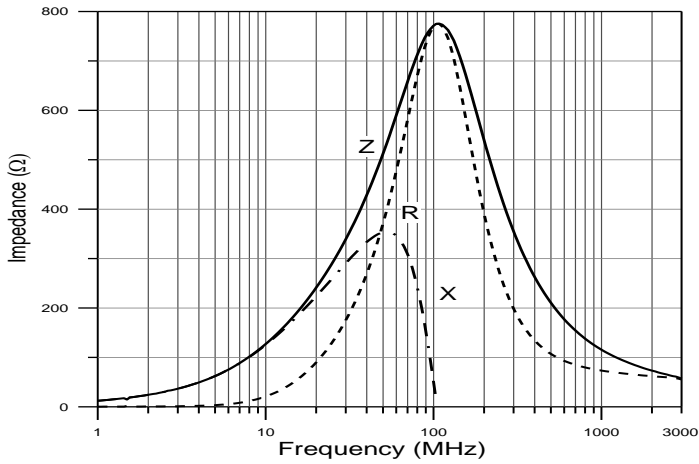
CME-CHMCB451616A-101



CME-CHMCB451616A-181



CME-CHMCB451616A-851

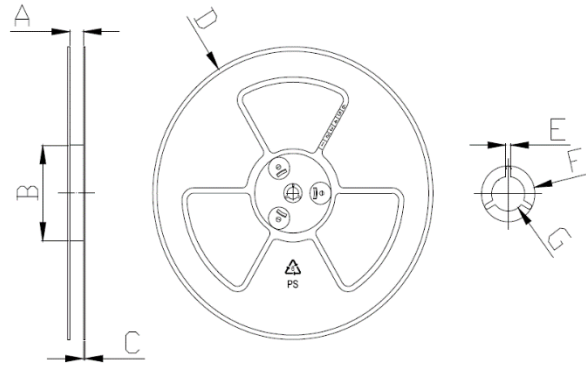


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Packaging

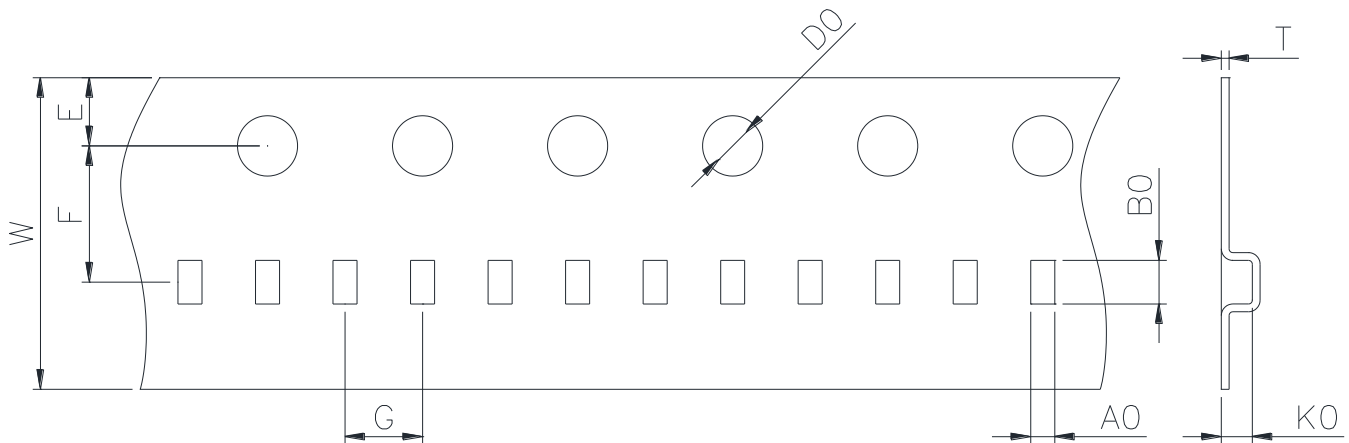
(1) Package quantity : 2,000 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
10.00	60.00	2.00	178.0	2.00	21.00	13.00
+1.50	+2.00	+0.50	+2.00	+0.50	+0.80	+0.80
-1.50	-2.00	-0.50	-2.00	-0.50	-0.80	-0.80

(3) Tape Dimensions



W	A0	B0	T	E	F	G	D0	K0
8.00	2.90	4.90	0.30	1.75	3.50	4.00	1.50	1.40
+0.20	+0.10	+0.10	+0.05	+0.10	+0.05	+0.10	+0.10	+0.05
-0.20	-0.10	-0.10	-0.05	-0.10	-0.05	-0.10	-0.00	-0.05

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