



Power line chokes

Current-compensated frame core double chokes

Series/Type: DCM08-1608

Rev.No. A1

Issue Date: Aug/12/2019

Prepared by	Checked by	Approved by

RoHs and halogen-free Compliance

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Note:This specification is subject to change without notice. Please contact your nearest sales office for updated information when placing an order.

Revision and History

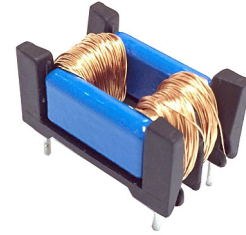
DCM08-1608 Series

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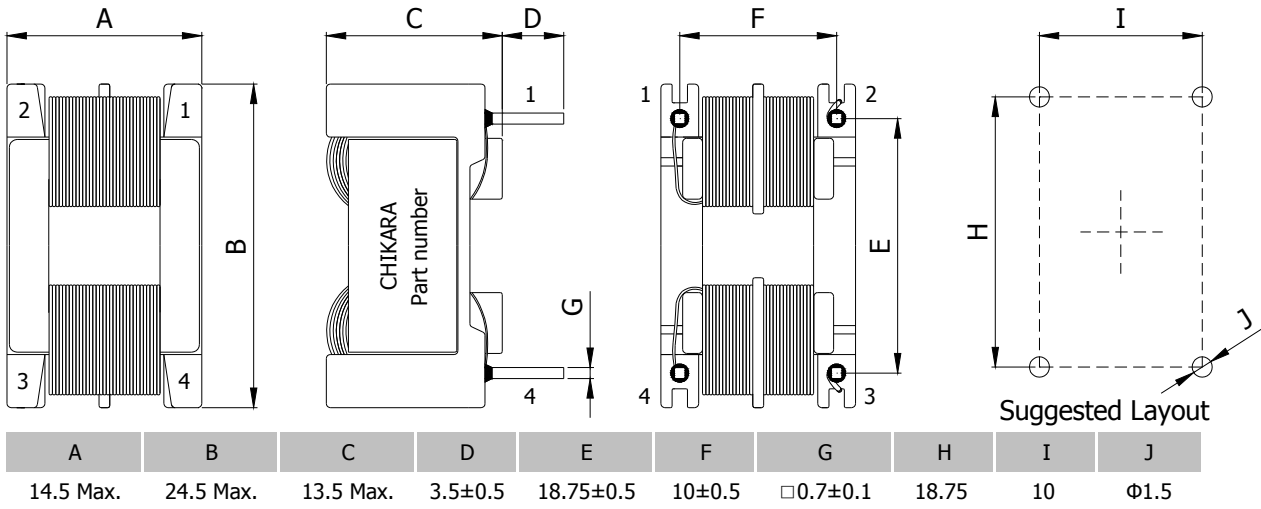
Rev.	Date	Revision Description	Checked	Approved
A1	Aug/12/2019	Initial release.	Louise Liu	Cason Chen

Features

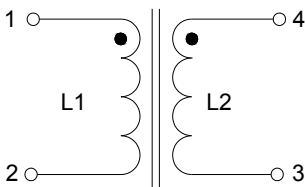
- Indoor and Outdoor LED Ballast
- Suppression of common-mode and differential-mode interferences
- Storage temperature range:-40°C to +105°C
- Operating temperature range:-40°C to +105°C (including coil's self-temperature rise)
- Moisture sensitivity level:1
- RoHS&Halogen-free compliance



Mechanical Dimension(Unit:mm)



Electrical Schematic



Part Number Description

DCM08 - 1608 0680 Q

① ② ③ ④

- ① Type
- ② Dimensions
- ③ Inductance value
- ④ Tolerance code

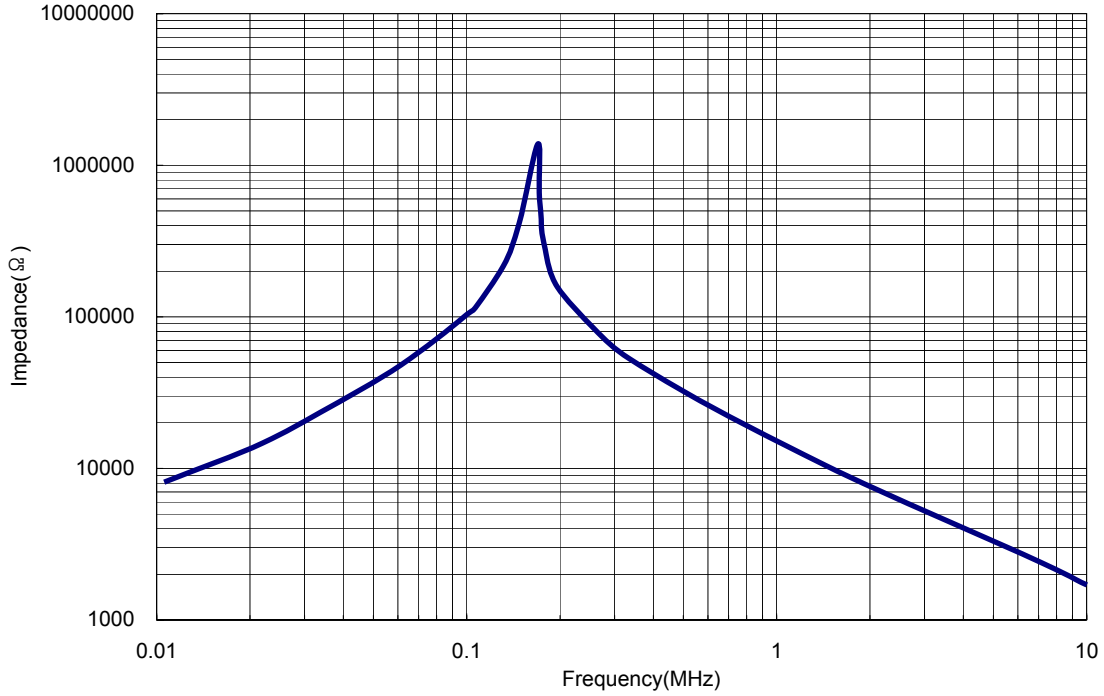
Electrical Characteristic

Part Number	Inductance (mH)	Leakage Inductance (uH)Typ.	DCR (Ω)Typ.	Rated Current (A)Max.	Rated Voltage Max.	Hi-Pot (Coil - Coil)
DCM08-16081000Q	100+50%/-30%	1930	2.93	0.45	250V AC(50/60 Hz)	2KV AC/5mA/3S
DCM08-16080680Q	68+50%/-30%	1340	1.97	0.60	250V AC(50/60 Hz)	2KV AC/5mA/3S
DCM08-16080470Q	47+50%/-30%	920	1.26	0.70	250V AC(50/60 Hz)	2KV AC/5mA/3S
DCM08-16080390Q	39+50%/-30%	760	1.10	0.80	250V AC(50/60 Hz)	2KV AC/5mA/3S
DCM08-16080270Q	27+50%/-30%	520	0.77	0.90	250V AC(50/60 Hz)	2KV AC/5mA/3S
DCM08-16080150Q	15+50%/-30%	290	0.43	1.30	250V AC(50/60 Hz)	2KV AC/5mA/3S
DCM08-16080100Q	10+50%/-30%	200	0.29	1.60	250V AC(50/60 Hz)	2KV AC/5mA/3S

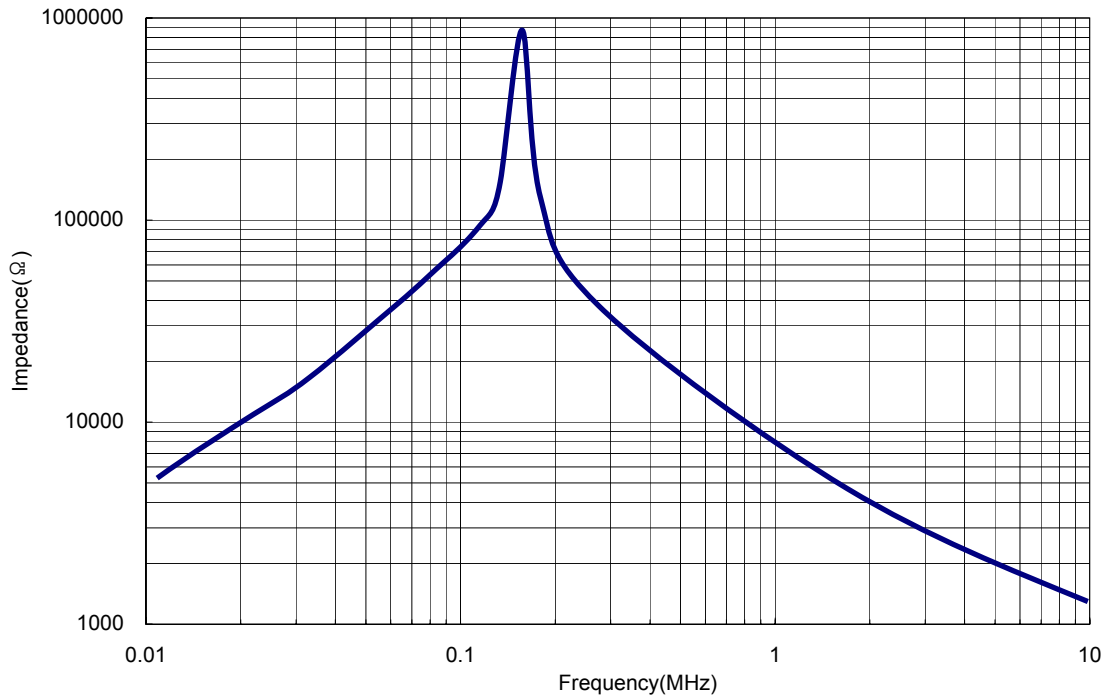
- All test data referenced to 25°C ambient.
- Test frequency and voltage:10KHz,0.1Vrms.
- Rated current:The AC current at which the temperature rise is Δt of 40°C.

Characteristic Curve

DCM08-16081000Q

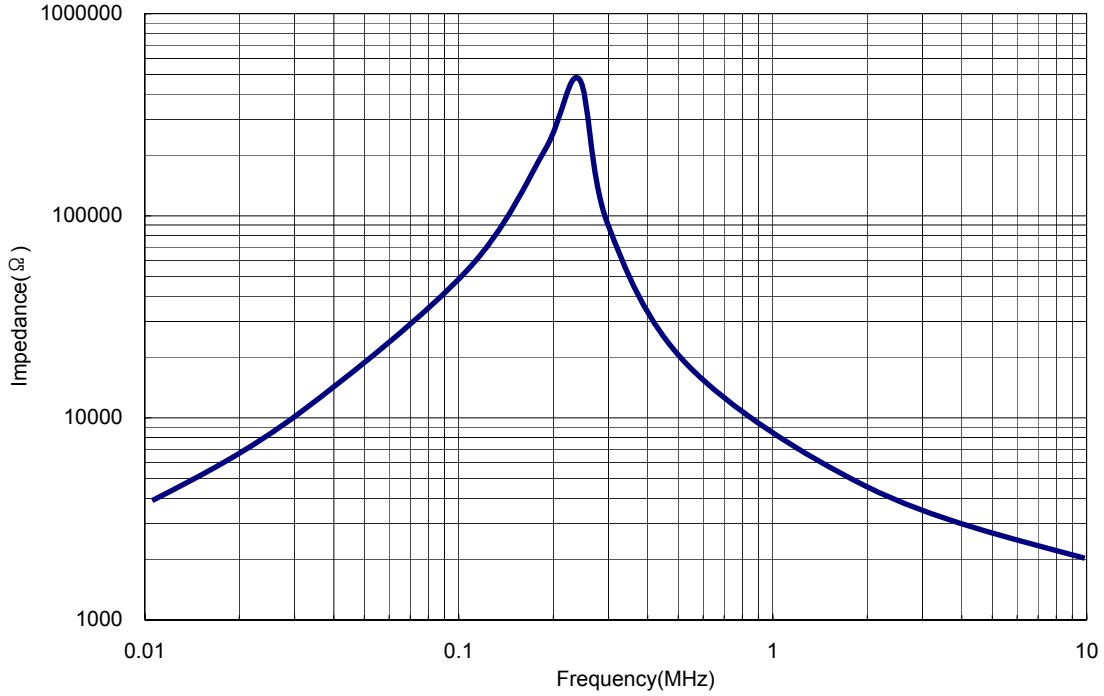


DCM08-16080680Q

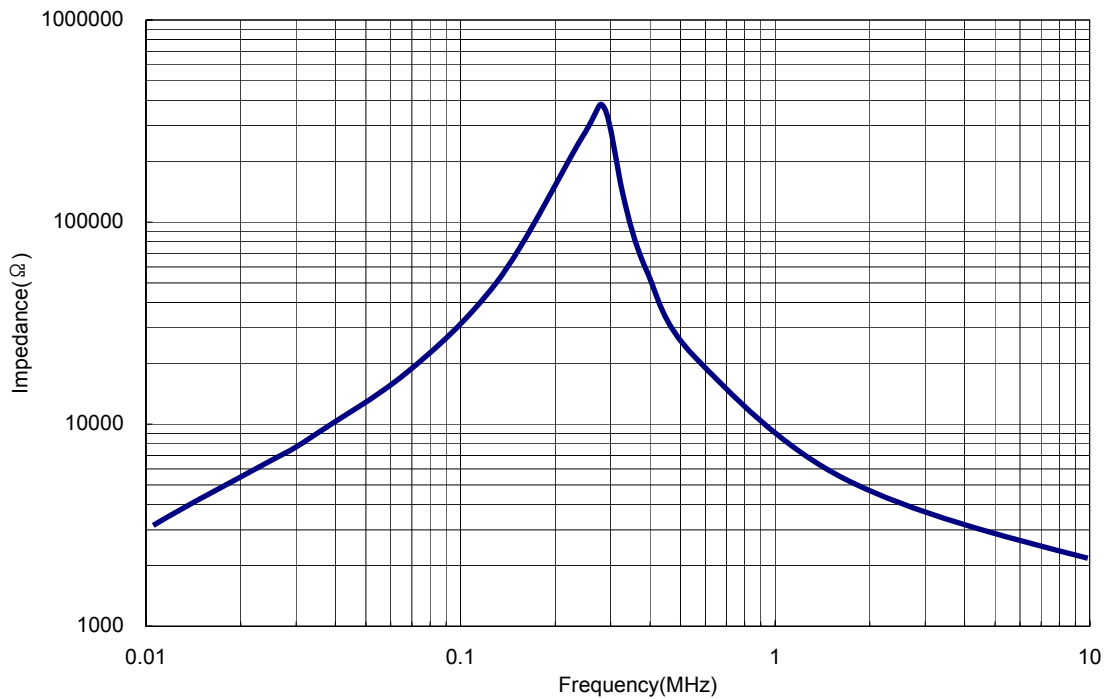


Characteristic Curve

DCM08-16080470Q

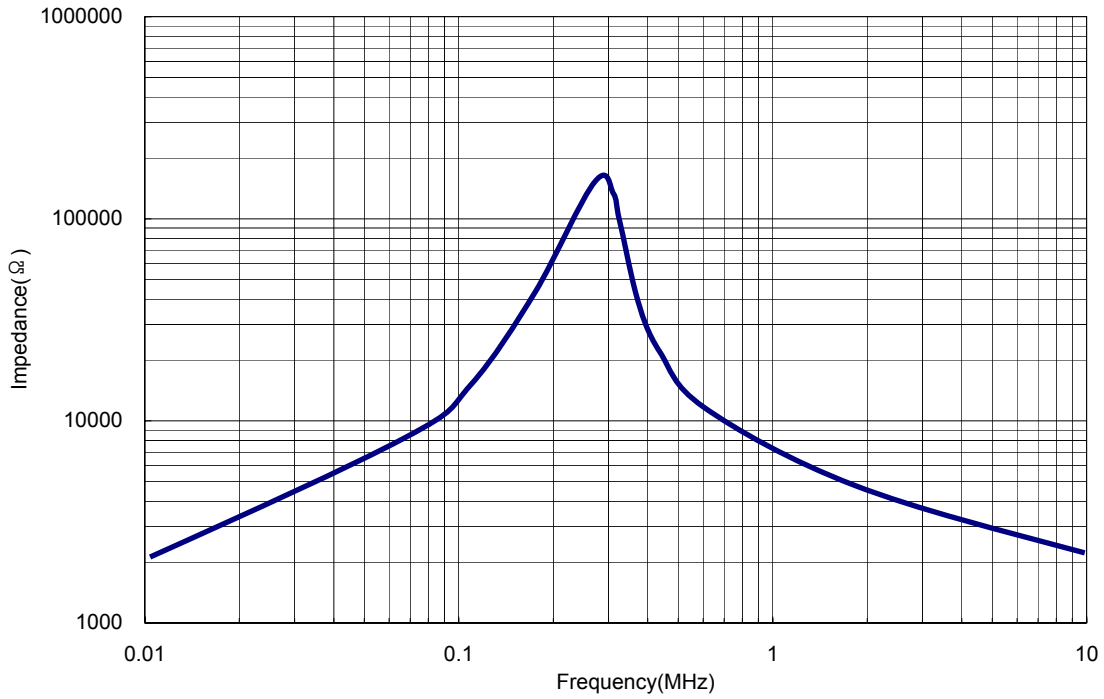


DCM08-16080390Q

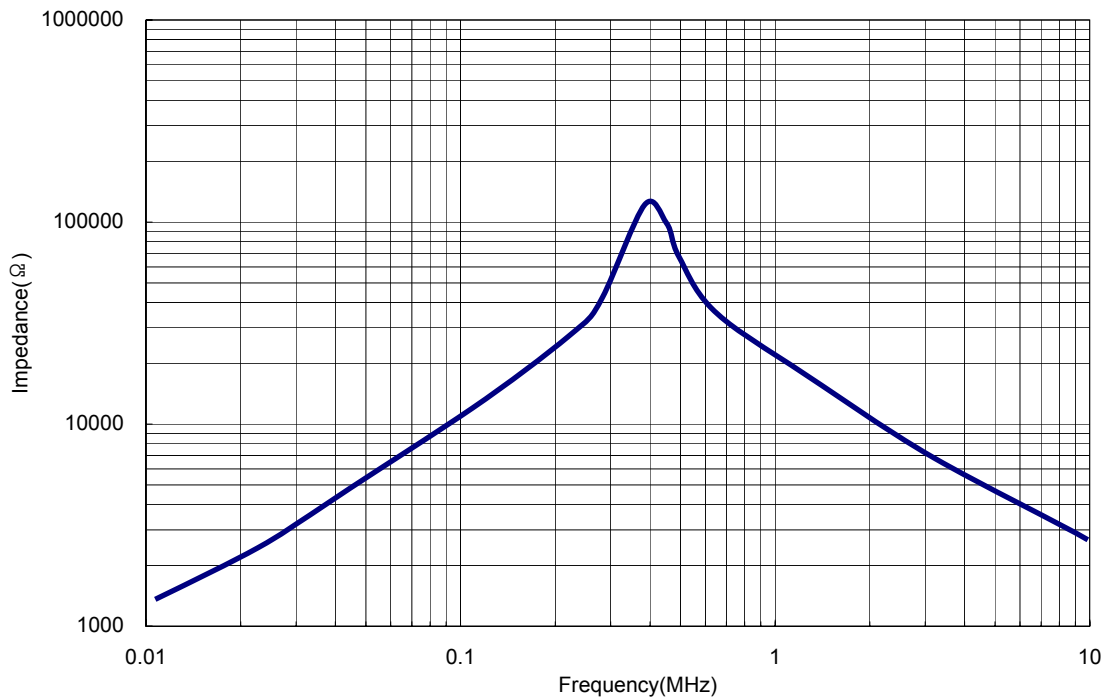


Characteristic Curve

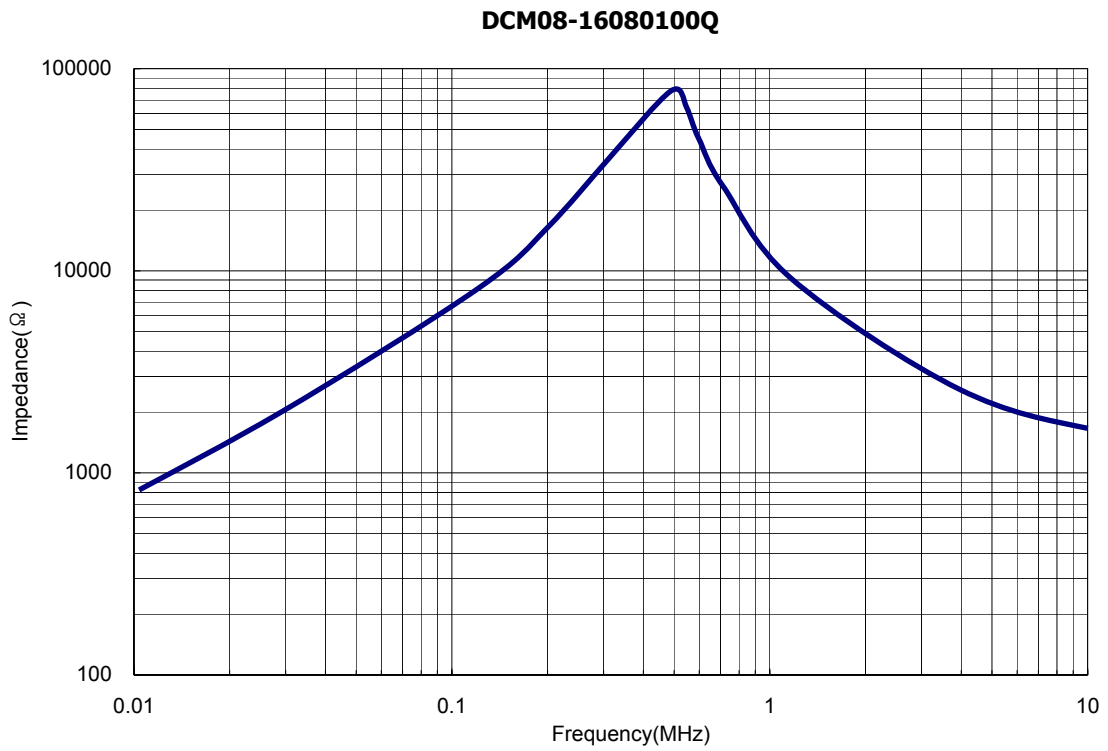
DCM08-16080270Q



DCM08-16080150Q



Characteristic Curve



Material List

No.	Materials	Description	Suppliers	UL No.
1	Core	Ferrite	Guangdong Zhaoqing Magsource Electron Co., Ltd. or Equivalent	/
2	Wire	2UEWF 155°C	PACIFIC Electric Wire&Cable(Shenzhen) Co.,Ltd. or Equivalent	E201757
3	Bobbin	PET FR530L	E I Dupont de nemours&Co inc or Equivalent	E41938
4	Tin	Lead-free Sn99.9	Dongguan Thousand Island Metal Foil Co.,Ltd. or Equivalent	/