Wire Wound Common Mode Choke for Vehicle Electronics

Features

By adopting a dedicated core, we have achieved compactness while maintaining high impedance characteristics.

Low profile design makes it optimal for surface mounting.

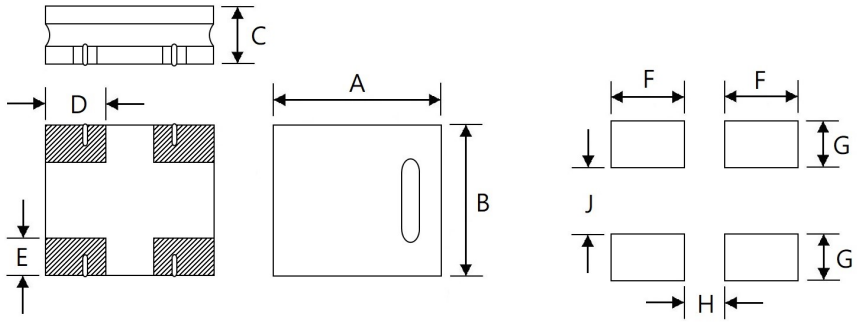
Compliant with AEC-Q200

Application

Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices for automotive information applications.

Application guides: Car Infotainment

Dimensions and footprint (Unit： mm)



Unit : mm

Size	A	B	C	D	E	F	G	H	J
MFC-5045AI	5.00±0.3	4.50±0.3	2.50 max	2.10±0.3	1.10±0.3	2.00	1.70	1.50	1.20

Part Number Code

MFC	-	5045AI	-	90	0
1		2		3	4

1、Series Name

2、Size Code：the first two digitals : length(mm), the last two digitals : width(mm)

3、Impedance(Ω)

4、Fixed Decimal Point

{ (ex：101=900Ω ；102=1000Ω)

Specification

Part No.	Impedance (Ω) 100MHz	DCR (Ω) (±40%)	IDC (A) (max)	Rated Voltage Vdc (V)Typical	Insulation Resistance IR (MΩ) Min.	Withstand Voltage (Vdc)
MFC-5045AI-101	100 Typ.	0.009	6.0	50	10	125
MFC-5045AI-251	250 Typ.	0.014	5.0	50	10	125
MFC-5045AI-501	500 Typ.	0.019	4.0	50	10	125
MFC-5045AI-102	1000 Typ.	0.024	3.0	50	10	125
MFC-5045AI-142	1400 Typ.	0.040	1.5	50	10	125