

*Wire Wound Common Mode Choke for Vehicle Electronics***Features**

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

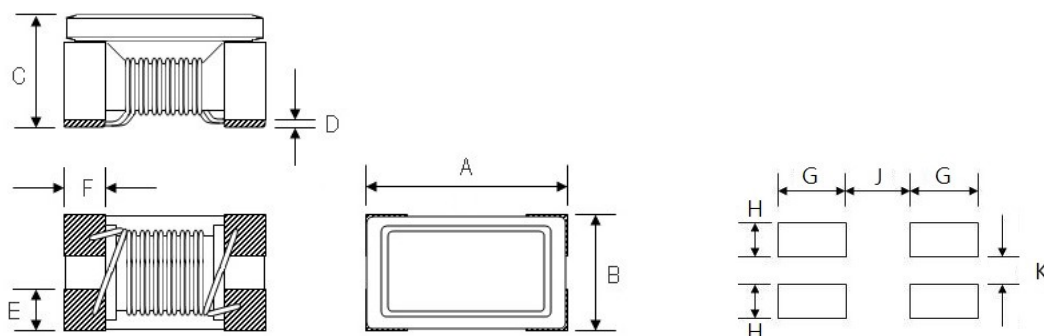
Low profile design makes it optimal for surface mounting.

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	K
MFA-2012AI	2.00±0.2	1.20±0.2	1.20±0.2	0.20±0.1	0.40	0.45	0.90	0.40	0.80	0.40
MFA-3216AI	3.20±0.2	1.60 ±0.2	1.90±0.2	0.20±0.1	0.60	0.60	1.05	0.60	1.60	0.40
MFA-3225AI	3.20±0.2	2.50 ±0.2	2.20±0.2	0.20±0.1	0.80	0.65	0.90	0.90	1.90	0.75
MFA-4532AI	4.50±0.2	3.20 ±0.2	2.80±0.2	0.20±0.1	1.20	1.00	1.35	1.32	2.40	0.75

Part Number Code

MFA - 3216AI - 90 0 S - M01
 1 2 3 4 5 6

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

5、Tolerance : S=±25%、M=±20%、N=±30%

6、Special specification products

{ (ex : 900=90 Ω ; 601=600 Ω)

Specification

Part No.	Impedance (Ω) 100MHz	DCR (Ω) (max)	IDC (mA) (max)	Rated Voltage Vdc (V)Typical	Insulation Resistance IR (M Ω) Min.	Withstand Voltage (Vdc)
MFA-2012AI-900	90	0.30	400	50	10	125
MFA-2012AI-121	120	0.30	370	50	10	125
MFA-2012AI-201	200	0.35	330	50	10	125
MFA-2012AI-361	360	0.40	280	50	10	125
MFA-2012AI-681	680	0.80	220	50	10	125
MFA-2012AI-102	1000	1.50	190	50	10	125
MFA-2012AI-222	2200	2.00	150	50	10	125

Part No.	Impedance (Ω) 100MHz	DCR (Ω) (max)	IDC (mA) (max)	Rated Voltage Vdc (V)Typical	Insulation Resistance IR (M Ω) Min.	Withstand Voltage (Vdc)
MFA-3216AI-670	67	0.25	400	50	10	125
MFA-3216AI-900	90	0.30	400	50	10	125
MFA-3216AI-121	120	0.35	370	50	10	125
MFA-3216AI-161	160	0.40	340	50	10	125
MFA-3216AI-181	180	0.40	340	50	10	125
MFA-3216AI-261	260	0.50	310	50	10	125
MFA-3216AI-361	360	0.60	290	50	10	125
MFA-3216AI-601	600	0.80	260	50	10	125
MFA-3216AI-102	1000	1.00	230	50	10	125
MFA-3216AI-222	2200	1.20	200	50	10	125

Part No.	Impedance (Ω) 100MHz	DCR (Ω) (max)	IDC (A) (max)	Rated Voltage Vdc (V)Typical	Insulation Resistance IR (M Ω) Min.
MFA-3225A-800	80	0.15	2.0	50	10
MFA-3225A-601	600	0.25	1.0	50	10
MFA-3225A-102	1000	0.35	1.2	50	10
MFA-3225A-601-M01	600	0.08	1.5	50	10
MFA-3225A-102-M01	1000	0.10	1.2	50	10
MFA-3225A-102-M02	1000	0.06	1.5	50	10
MFA-3225A-102-M03	1000	0.055	2.0	50	10

Part No.	Impedance (Ω) 100MHz	DCR (Ω) (max)	IDC (A) (max)	Rated Voltage Vdc (V)Typical	Insulation Resistance IR (M Ω) Min.
MFA-4532A-800S	80	0.07	3.0	50	10
MFA-4532A-121S	120	0.07	3.0	50	10
MFA-4532A-201S	200	0.10	2.0	50	10
MFA-4532A-601S	600	0.30	1.5	50	10
MFA-4532A-801S	800	0.35	1.0	50	10
MFA-4532A-102S	1000	0.40	1.0	50	10