



CUSTOMER : STD
PRODUCTS : EMI Ferrite Core
PART NO : MCEMI Series
CUST P/ NO :
DATE : 2025.04.16
SALES DEP :
E-MAIL :

VERSION : REV.A
CHANGE PROJECT : -
BEFORE : -
AFTER : -
CHANGE DATE : -
CUSTOMER SIGNATURE : -

APPROVAL BY :	CHECK BY :	DRAWN BY :
Honey Wei	Leo Wang	May Gao



MCEMI Series



- EMI Ferrite Core
- Operating Temperature up to 25 °C
- Environmental Lead free
- Environmental RoHS2.0 compliant
- Environmental halogen free
- Storage Temperature : -5 °C to +55 °C.

FEATURES

- One hole rod-type.
- Excellent heat resistance.
- Available in various sizes & 4 materials
- High reliability.

Applications

- Computer and peripheral products
- Consumer electronic products
- Communication electronic products
- Measuring instruments

PRODUCT IDENTIFICATION

MCF5B UF-50

①

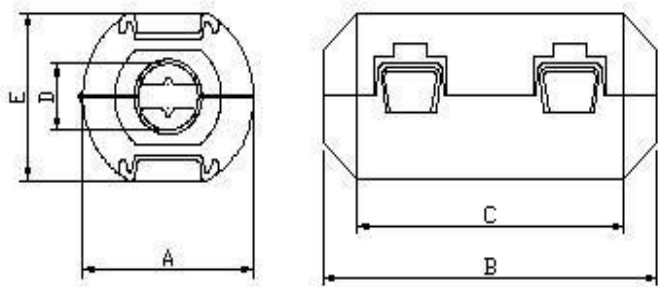
②

① Series name

② Type

Mechanical & Dimensions

(Unit: mm)



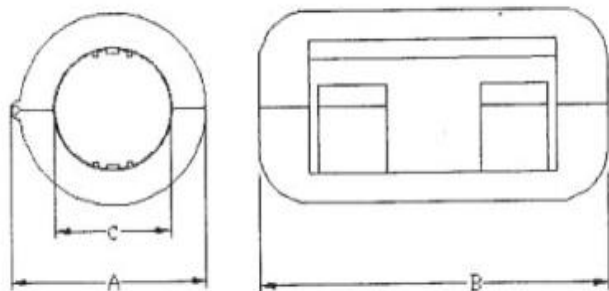
Code	Dimensions
A	13.0 ± 1.0
B	25.2 ± 1.0
C	20.0 ± 1.0
D	5.0 ± 1.0
E	11.5 ± 1.0

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B UF-35B	700± 25%	Z 1	45	25		
		Z 2	100	100		

Mechanical & Dimensions

(Unit: mm)



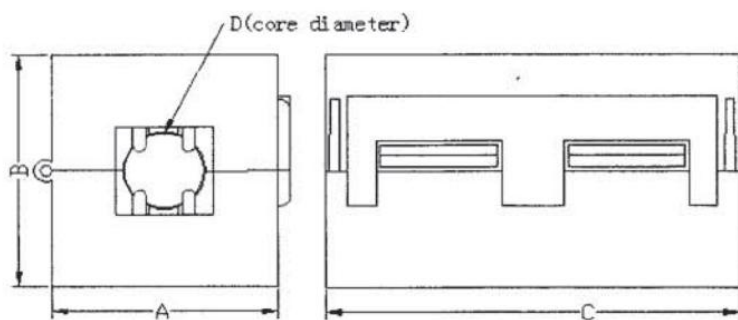
Code	Dimensions
A	16.0 ± 1.0
B	29.5 ± 1.0
C	5.0 ± 1.0

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B UF-50	700± 25%	Z 1	40	25		
		Z 2	100	100		

Mechanical & Dimensions

(Unit: mm)



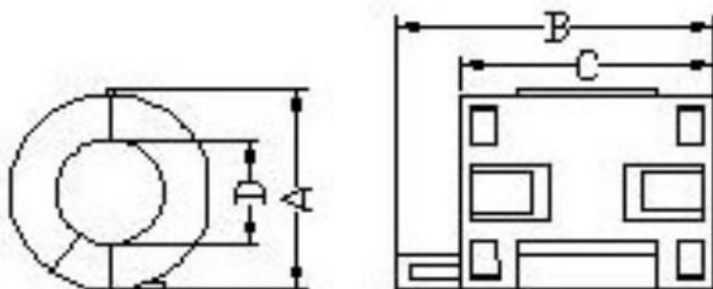
Code	Dimensions
A	17.5 ± 1.0
B	19.5 ± 1.0
C	32.5 ± 1.0
D	6.5 ± 1.0

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B UF-65	700± 25%	Z 1	105	25		
		Z 2	185	100		

Mechanical & Dimensions

(Unit: mm)



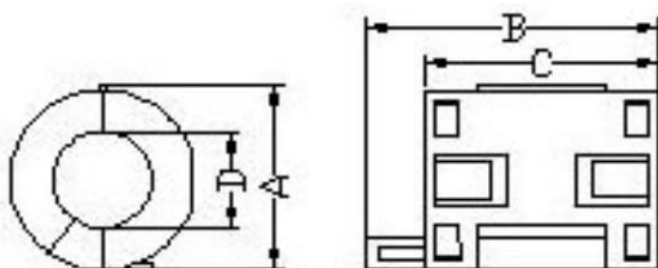
Code	Dimensions
A	15.4 ± 1.0
B	22.0 ± 1.0
C	17.7 ± 1.0
D	7.4 ± 1.0

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B UF-70	700± 25%	Z 1	30	25		
		Z 2	70	100		

Mechanical & Dimensions

(Unit: mm)



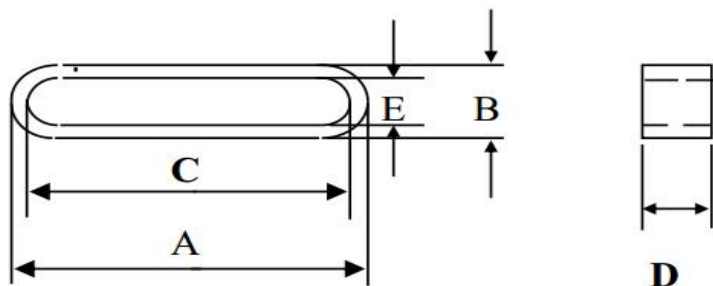
Code	Dimensions
A	30.0 ± 1.0
B	39.0 ± 1.0
C	34.0 ± 1.0
D	13.0 ± 1.0

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B UF-1330A	700± 25%	Z 1	80	25		
		Z 2	150	100		

Mechanical & Dimensions

(Unit: mm)



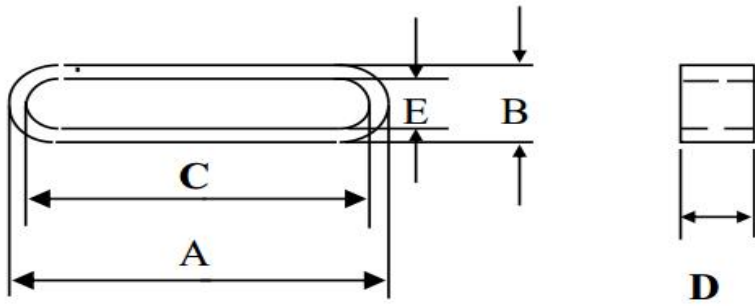
Code	Dimensions
A	20.5 ± 0.8
B	3.5 ± 0.4
C	16.5 ± 0.8
D	8.0 ± 0.5
E	1.0 +0.5\ - 0.3

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B FS 20.5 3.5 8-1.0-P.W	700	Z 1	15	25		
		Z 2	50	100		

Mechanical & Dimensions

(Unit: mm)



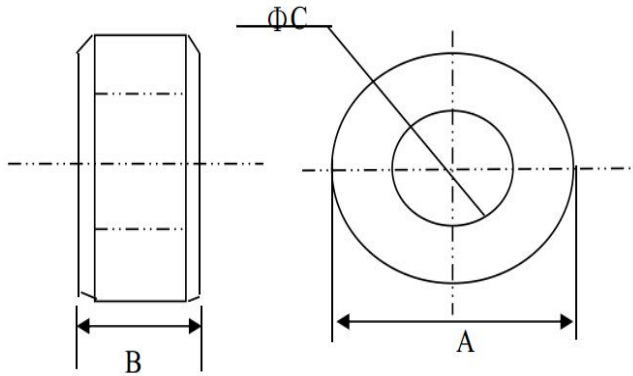
Code	Dimensions
A	25.0 ± 0.8
B	5.0 ± 0.4
C	21.0 ± 0.7
D	12.0 ± 0.4
E	1.35 +0.5\ - 0.3

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B FS 25 5 12-1.35-P.W	700	Z 1	20	25		
		Z 2	55	100		

Mechanical & Dimensions

(Unit: mm)



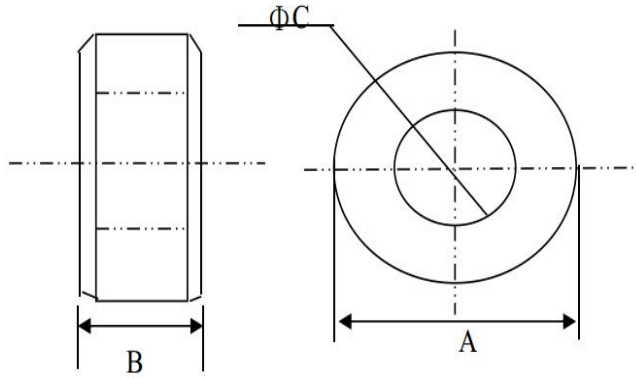
Code	Dimensions
A	9.5 ± 0.3
B	5.0 ± 0.4
C	5.0 ± 0.3

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B T 9.5 5 5-P.W	700±25%	Z 1	15	25		
		Z 2	45	100		

Mechanical & Dimensions

(Unit: mm)



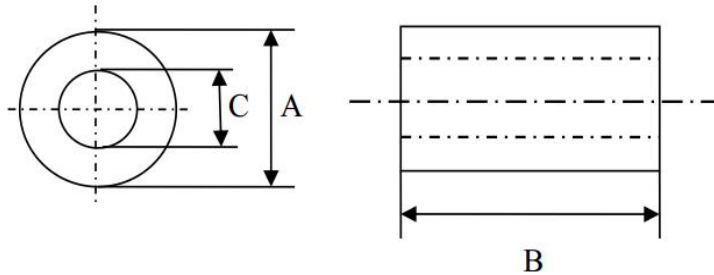
Code	Dimensions
A	25.0 ± 0.5
B	12.0 ± 0.5
C	15.0 ± 0.5

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B T 25 12 15-P.W	700	Z 1	25	25		
		Z 2	60	100		

Mechanical & Dimensions

(Unit: mm)



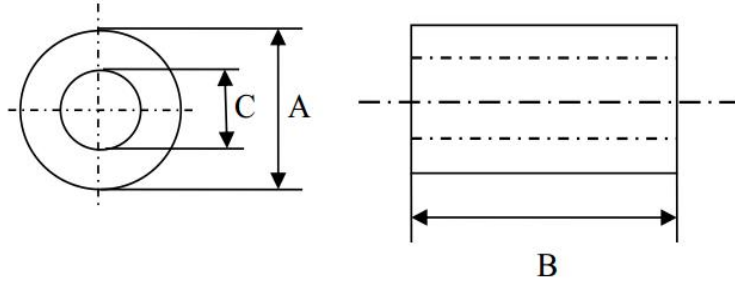
Code	Dimensions
A	8.0 ± 0.3
B	10.0 ± 0.4
C	4.0 ± 0.3

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B RH 8 10 4-P.W	700 ± 25%	Z 1	30	25		
		Z 2	70	100		

Mechanical & Dimensions

(Unit: mm)



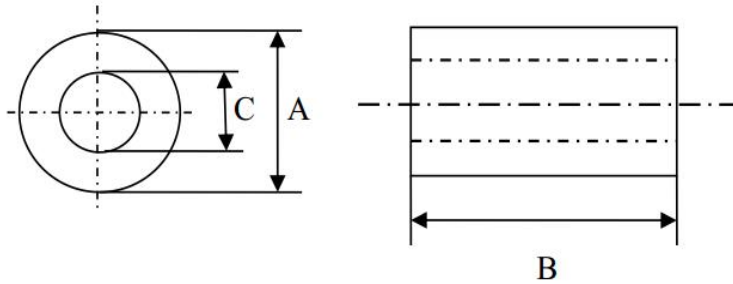
Code	Dimensions
A	14.20 ± 0.4
B	28.50 ± 0.6
C	6.35 ± 0.4

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B RH 14.2 28.5 6.35-P.W	700 ± 25%	Z 1	100	25		
		Z 2	200	100		

Mechanical & Dimensions

(Unit: mm)



Code	Dimensions
A	17.5 ± 0.4
B	28.5 ± 0.6
C	9.5 ± 0.4

Electrical Characteristics

Part Number	INITIAL PERMEABILITY	Item	Range Ω Min	Test FREQ(MHZ)		
MCF5B RH 17.5 28.5 9.5 -P.W	700 ± 25%	Z 1	110	25		
		Z 2	180	100		
		Z 3	400	25		
		Z 4	600	100		