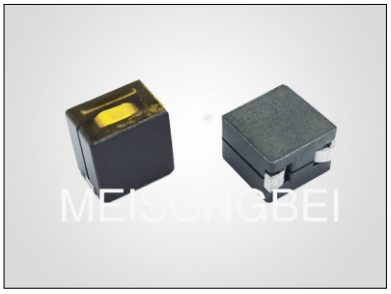
Power Bead Inductors - MHE100612 Series

Meisongbei



Features

- Soldered construction for low radiation
- High rated current
- Low DCR

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

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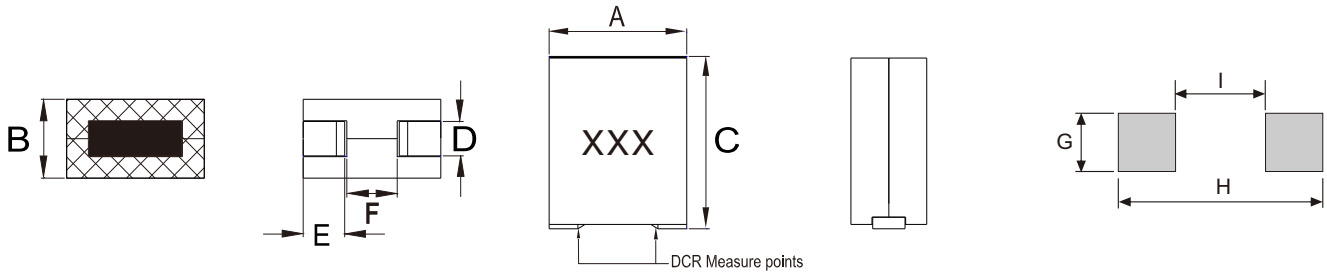
Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E	F	G	I	H
MHE100612	10.0max	6.2/6.0max	12.1max	2.4±0.3	3.3±0.4	3.3ref	3.3	3.9	10.3

Electrical Characteristics For MHE100612 Series

Part Number	Inductance [nH]	DCR [mΩ]	Isat@25°C (typ.) [A]	Isat@100°C (typ.) [A]	Irms(typ.) [A]
MHE100612-R07K	70 ±10%	0.125 ±10%	170(typ)	155(typ)	84(typ)
MHE100612-R08K	80 ±10%	0.125 ±10%	150(typ)	130(typ)	84(typ)
MHE100612-R09K	90 ±10%	0.125 ±10%	131(typ)	110(typ)	84(typ)
MHE100612-R10K	100 ±10%	0.125 ±10%	125(typ)	105(typ)	84(typ)
MHE100612-R12K	120 ±10%	0.125 ±10%	105(typ)	88(typ)	84(typ)
MHE100612-R15K	150 ±10%	0.125 ±10%	88(typ)	83(typ)	84(typ)
MHE100612-R22L	220 ±15%	0.125 ±10%	60(typ)	50(typ)	84(typ)
MHE100612-R30L	300 ±15%	0.125 ±10%	41(typ)	35(typ)	84(typ)
MHE100612-R33L	330 ±15%	0.125 ±10%	40(typ)	32(typ)	84(typ)
MHE100612-R47M	470 ±20%	0.125 ±10%	27(typ)	22(typ)	84(typ)
MHE100612-R58M	580 ±20%	0.125 ±10%	18(typ)	15(typ)	84(typ)

Power Bead Inductors - MHE100709 Series

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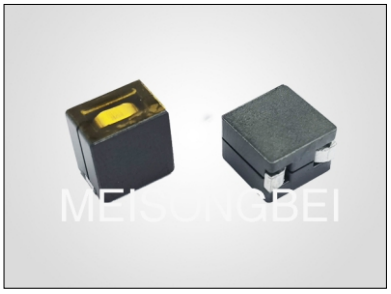

Features

- Soldered construction for low radiation
- High rated current
- Low DCR

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

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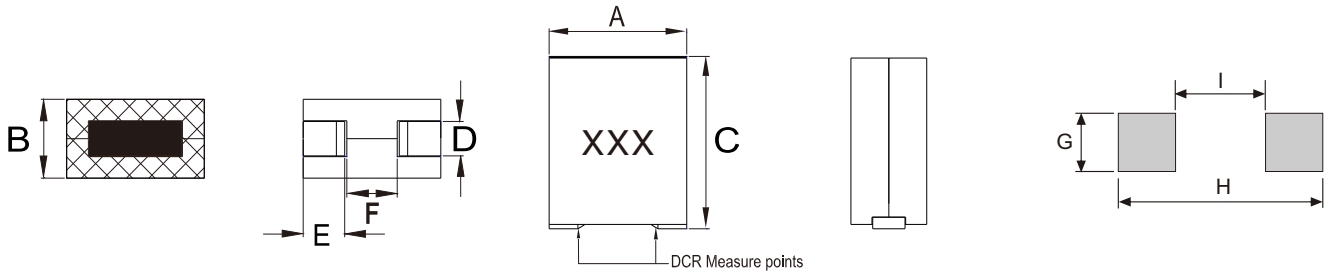
Dimensions & Configurations (Unit:mm)



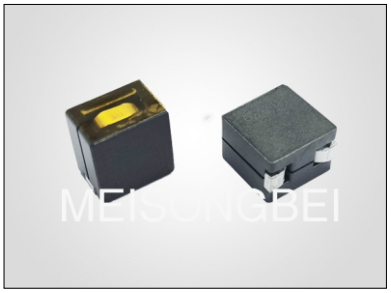
Type	A	B	C	D	E	F	G	I	H
MHE100709	10.0 Max	7.0 Max	9.0 Max	2.5 ± 0.3	2.5 ± 0.5	4.0 Ref	3.0	3.7	11.0

Electrical Characteristics For MHE100709 Series

Part Number	Inductance [nH]	DCR [mΩ]	Isat@25°C (typ.) [A]	Isat@100°C (typ.) [A]	Irms(typ.) [A]
MHE100709-R10L	100 ±15%	0.18 ±10%	105	90	70
MHE100709-R12L	120 ±15%	0.18 ±10%	80	70	70
MHE100709-R15L	150 ±15%	0.18 ±10%	70	60	70
MHE100709-R18L	180 ±15%	0.18 ±10%	60	50	70
MHE100709-R22L	220 ±15%	0.18 ±10%	55	45	70
MHE100709-R32M	320 ±20%	0.18 ±10%	35	30	70
MHE100709-R40M	400 ±20%	0.18 ±10%	25	20	70

Power Bead Inductors - MHE100710 Series

Meisongbei



Features

- Soldered construction for low radiation
- High rated current
- Low DCR

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

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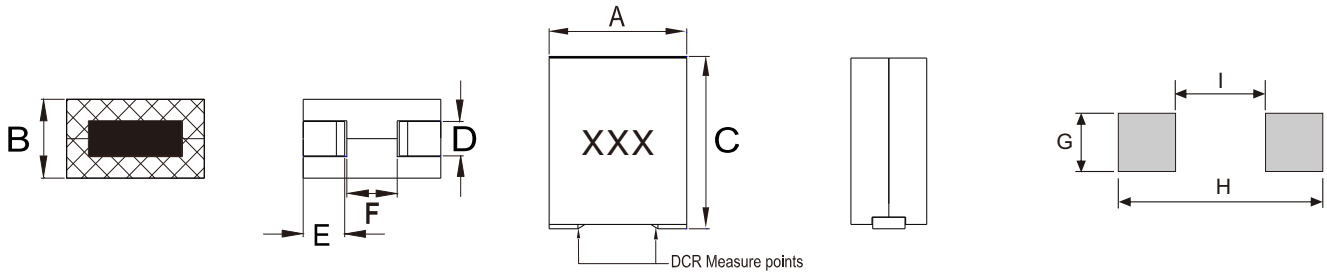
Dimensions & Configurations (Unit:mm)



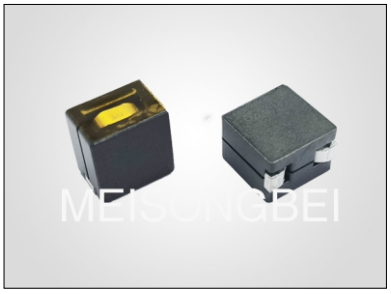
Type	A	B	C	D	E	F	G	I	H
MHE100710	10.0 Max	7.0 Max	10.0 Max	2.4 ± 0.25	2.5 ± 0.5	4.4 Ref	3.0	3.9	11.0

Electrical Characteristics For MHE100710 Series

Part Number	Inductance [nH]	DCR [mΩ]	Isat@25°C (typ.) [A]	Isat@100°C (typ.) [A]	Irms(typ.) [A]
MHE100710-R10L	100 ±15%	0.18 ±10%	117	100	70
MHE100710-R12L	120 ±15%	0.18 ±10%	90	80	70
MHE100710-R15L	150 ±15%	0.18 ±10%	75+	75	70
MHE100710-R18L	180 ±15%	0.18 ±10%	75	65	70
MHE100710-R22L	220 ±15%	0.18 ±10%	60	50	70
MHE100710-R30M	300 ±20%	0.18 ±10%	43	33	70
MHE100710-R33M	330 ±20%	0.18 ±10%	35	30	70
MHE100710-R47M	470 ±20%	0.18 ±10%	20	15	70

Power Bead Inductors - MHE100712 Series

Meisongbei



Features

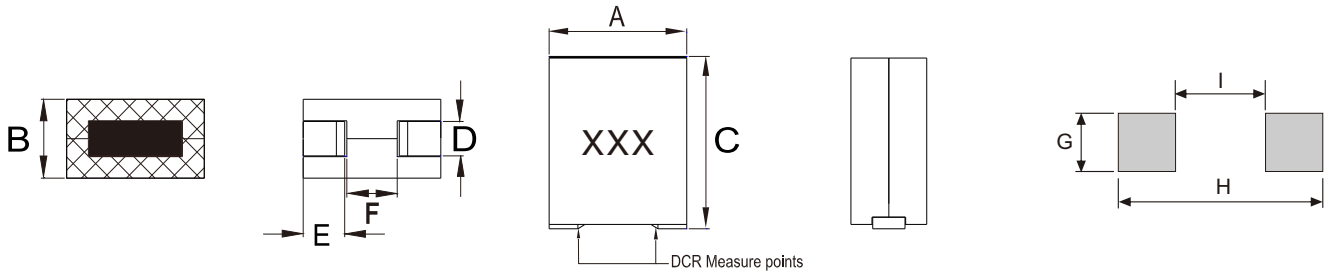
- Soldered construction for low radiation
- High rated current
- Low DCR

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E	F	G	I	H
MHE100712	10.7 Max	7.5 Max	12.0 Max	3.1 ± 0.3	2.8 ± 0.4	4.4 ± 0.5	3.6	3.7	11.0

Electrical Characteristics For MHE100712 Series

Part Number	Inductance [nH]	DCR [mΩ]	Isat@25°C (typ.) [A]	Isat@100°C (typ.) [A]	Irms(typ.) [A]
MHE100712-R12L	120.0	0.150 ±10%	120	105	62
MHE100712-R15L	150.0	0.150 ±10%	100	80	62
MHE100712-R18L	180.0	0.150 ±10%	80	70	62
MHE100712-R22L	220.0	0.150 ±10%	75	64	62
MHE100712-R25L	250.0	0.150 ±10%	66	56	62
MHE100712-R27L	270.0	0.150 ±10%	60	51	62
MHE100712-R32M	320.0	0.150 ±10%	51	43	62
MHE100712-R40M	400.0	0.150 ±10%	41	35	62
MHE100712-R47M	470.0	0.150 ±10%	34	29	62
MHE100712-R60M	600.0	0.150 ±10%	24.5	21	62