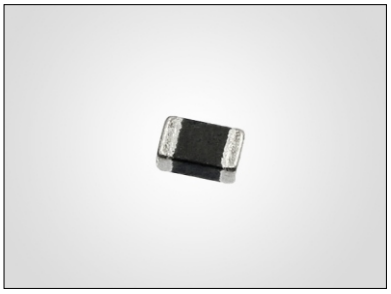
Multilayer Chip Ferrite Beads - MSMB Series

Meisongbei



Features

- Compact size
- Wide impedance range
- Low DC resistance structure of electrode prevents wasteful electric power consumption

General Specifications

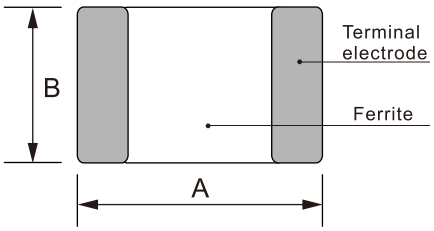
- Operating temp range: -55°C to +125°C
- Storage temp range: -40°C to +85°C

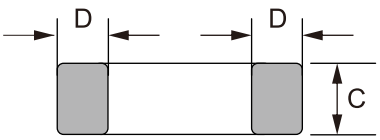
Applications

- Computers
- VCRS, Television, Pagers
- Cellular phones.
- Various electronics equipments
- Digital communication equipment

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Dimensions & Configurations (Unit:mm)





Type	A	B	C	D
MSMB100505(0402)	1.0±0.05	0.5±0.05	0.5±0.05	0.25±0.1
MSMB160808(0603)	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
MSMB201209(0805)	2.0±0.2	1.25±0.2	0.9±0.2	0.5±0.3
MSMB321611(1206)	3.2±0.2	1.6±0.2	1.1±0.2	0.5±0.3
MSMB322513(1210)	3.2±0.2	2.5±0.2	1.3±0.2	0.8±0.3
MSMB451616(1806)	4.5±0.2	1.6±0.2	1.6±0.2	0.8±0.3
MSMB453215(1812)	4.5±0.2	3.2±0.2	1.5±0.2	0.8±0.3

Electrical Characteristics For MSMB100505 Series

Part Number	Impedance (100MHz) [Ω]±25%	DCR(max) [Ω]	Rated Current [mA]
MSMB100505A100	10	0.05	500
MSMB100505A300	30	0.20	300
MSMB100505A600	60	0.40	200
MSMB100505A700	70	0.40	200
MSMB100505A800	80	0.40	200
MSMB100505A101	100	0.45	200
MSMB100505A121	120	0.50	200
MSMB100505A151	150	0.60	200
MSMB100505A181	180	0.65	100
MSMB100505A221	220	0.70	100
MSMB100505A301	300	0.75	100
MSMB100505A331	330	0.75	100
MSMB100505A471	470	0.90	100
MSMB100505A501	500	1.00	100
MSMB100505A601	600	1.10	50
MSMB100505A102	1000	1.50	50
MSMB100505B301	300	0.85	100
MSMB100505B471	470	1.00	100
MSMB100505B601	600	1.50	50
MSMB100505K300	30	0.15	300
MSMB100505K600	60	0.30	200
MSMB100505K101	100	0.50	200
MSMB100505K121	120	0.50	200
MSMB100505K221	220	0.80	100
MSMB100505H100	10	0.10	500
MSMB100505H300	30	0.20	300
MSMB100505H600	60	0.40	300
MSMB100505H101	100	0.55	300
MSMB100505H121	120	0.55	300
MSMB100505H221	220	0.80	200
MSMB100505H301	300	1.00	100

Electrical Characteristics For MSMB160808 Series

Part Number	Impedance (100MHz) [Ω]±25%	DCR(max) [Ω]	Rated Current [mA]
MSMB160808A190	19	0.10	400
MSMB160808A310	31	0.10	400
MSMB160808A520	52	0.15	400
MSMB160808A600	60	0.15	400
MSMB160808A800	80	0.15	400
MSMB160808A101	100	0.15	400
MSMB160808A121	120	0.15	400
MSMB160808A151	150	0.15	400
MSMB160808A181	180	0.20	400
MSMB160808A201	200	0.20	400
MSMB160808A221	220	0.20	400
MSMB160808A301	300	0.30	400
MSMB160808A401	400	0.30	400
MSMB160808A451	450	0.30	400
MSMB160808A601	600	0.35	400
MSMB160808A751	750	0.35	400
MSMB160808A102	1000	0.55	300
MSMB160808A152	1500	0.60	200
MSMB160808B300	30	0.20	500
MSMB160808B600	60	0.25	450
MSMB160808B101	100	0.30	450
MSMB160808B121	120	0.30	450
MSMB160808B151	150	0.35	450
MSMB160808B221	220	0.35	450
MSMB160808B301	300	0.35	450
MSMB160808B471	470	0.35	450
MSMB160808B601	600	0.40	450
MSMB160808B102	1000	0.60	300
MSMB160808K471	470	0.55	200
MSMB160808K601	600	0.65	200
MSMB160808K751	750	0.70	200
MSMB160808K102	1000	0.85	100
MSMB160808K152	1500	0.90	100
MSMB160808K202	2000	1.00	100
MSMB160808K252	2500	1.00	50
MSMB160808H100	10	0.10	900
MSMB160808H680	68	0.10	700
MSMB160808H121	120	0.30	300
MSMB160808H301	300	0.35	300
MSMB160808H601	600	0.65	300
MSMB160808H102	1000	1.10	50

Electrical Characteristics For MSMB201209 Series

PartNumber	Impedance (100MHz) [Ω]±25%	DCR(max) [Ω]	Rated Current [mA]
MSMB201209A170	17	0.10	300
MSMB201209A260	26	0.10	300
MSMB201209A310	31	0.10	300
MSMB201209A520	52	0.15	300
MSMB201209A600	60	0.15	300
MSMB201209A800	80	0.15	300
MSMB201209A101	100	0.20	300
MSMB201209A121	120	0.20	300
MSMB201209A151	150	0.20	300
MSMB201209A221	220	0.25	300
MSMB201209A301	300	0.25	300
MSMB201209A401	400	0.30	300
MSMB201209A531	530	0.35	300
MSMB201209A601	600	0.35	300
MSMB201209A102	1000	0.45	300
MSMB201209A152	1500	0.70	300
MSMB201209B050	5	0.07	500
MSMB201209B600	60	0.15	300
MSMB201209B101	100	0.20	300
MSMB201209B121	120	0.20	300
MSMB201209B221	220	0.25	200
MSMB201209B301	300	0.25	200
MSMB201209B601	600	0.25	200
MSMB201209B751	750	0.30	200
MSMB201209B102	1000	0.30	200
MSMB201209B152	1500	0.35	200
MSMB201209B182	1800	0.40	200
MSMB201209B202	2000	0.40	200
MSMB201209B222	2200	0.50	200
MSMB201209B252	2500	0.60	200
MSMB201209B272	2700	0.60	200
MSMB201209K800	80	0.30	300
MSMB201209K601	600	0.35	200
MSMB201209K102	1000	0.40	200
MSMB201209K152	1500	0.45	200
MSMB201209K202	2000	0.60	200
MSMB201209H050	5	0.07	500
MSMB201209H070	7	0.07	500
MSMB201209H601	600	0.65	200

Electrical Characteristics For MSMB321611 Series

Part Number	Impedance (100MHz) [Ω]±25%	DCR(max) [Ω]	Rated Current [mA]
MSMB321611A260	26	0.10	800
MSMB321611A310	31	0.10	800
MSMB321611A520	52	0.15	800
MSMB321611A600	60	0.15	500
MSMB321611A700	70	0.15	500
MSMB321611A101	100	0.20	450
MSMB321611A121	120	0.20	450
MSMB321611A151	150	0.20	450
MSMB321611A221	220	0.20	350
MSMB321611A301	300	0.20	350
MSMB321611A401	400	0.25	350
MSMB321611A601	600	0.25	350
MSMB321611A751	750	0.30	350
MSMB321611A102	1000	0.35	350
MSMB321611A152	1500	0.40	350
MSMB321611K601	600	0.50	200
MSMB321611K102	1000	0.70	200

Electrical Characteristics For MSMB322513 Series

Part Number	Impedance (100MHz) [Ω]±25%	DCR(max) [Ω]	Rated Current [mA]
MSMB322513A310	31	0.1	500
MSMB322513A520	52	0.3	400
MSMB322513A600	60	0.3	400

Electrical Characteristics For MSMB451616 Series

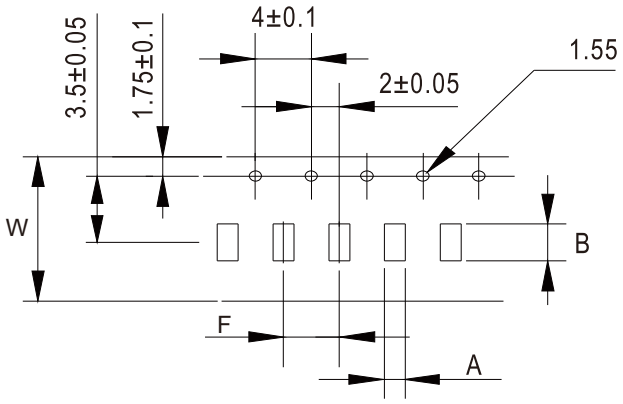
Part Number	Impedance (100MHz) [Ù]±25%	DCR(max) [Ù]	Rated Current [mA]
MSMB451616A600	60	0.2	500
MSMB451616A800	80	0.3	400
MSMB451616A101	100	0.3	400
MSMB451616A151	150	0.5	200
MSMB451616A601	600	0.8	200

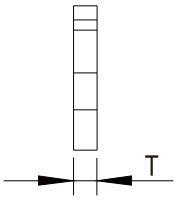
Electrical Characteristics For MSMB453215 Series

Part Number	Impedance (100MHz) [Ω]±25%	DCR(max) [Ω]	Rated Current [mA]
MSMB453215A600	60	0.2	500
MSMB453215A121	120	0.2	500
MSMB453215A151	150	0.2	500

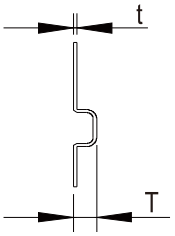
Tape & Reel Specifications:

Unit: mm





Paper Tape



Embossed Tape

Type	Tape Dimensions (mm)						Tape type	Reel OD (mm)	Quantity PCS / Reel
	W	A	B	F	T	t			
MSMB100505	8	0.65	1.25	2.0	0.55	-	Paper Tape	178	10,000
MSMB160808	8	1.00	1.80	4.0	1.10	-	Paper Tape	178	4,000
MSMB201209	8	1.50	2.30	4.0	1.10	-	Paper Tape	178	4,000
MSMB321611	8	1.88	3.50	4.0	1.49	0.30	Embossed Tape	178	3,000
MSMB322513	8	2.90	3.50	4.0	1.65	0.28	Embossed Tape	178	2,000
MSMB451616	12	1.93	4.95	4.0	2.03	0.35	Embossed Tape	178	2,000
MSMB453215	12	3.66	4.95	4.0	1.95	0.33	Embossed Tape	178	1,000