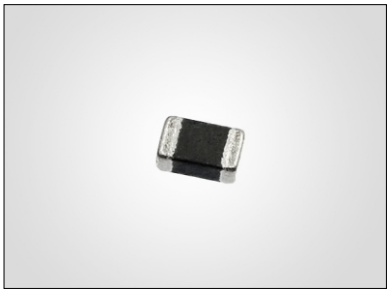
High Current Chip Ferrite Beads - MSMA Series

Meisongbei



Features

- Compact size and wide impedance range
- High Current 1-3A
- Low DC resistance structure of electrode prevents wasteful electric power consumption

General Specifications

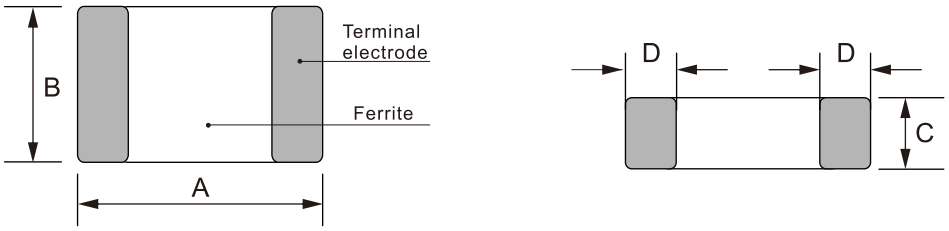
- Operating temp range: -55°C to +125°C
- Storage temp range: -40°C to +85°C

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
MSMA1005 (0402)	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.1
MSMA1608 (0603)	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
MSMA2012 (0805)	2.0(+0.3/-0.1)	1.25±0.2	0.9±0.2	0.5±0.3
			1.25±0.2	
MSMA3216 (1206)	3.2±0.2	1.6±0.2	0.9±0.2	0.5±0.3
			1.1±0.2	
MSMA3225 (1210)	3.2±0.2	2.5±0.2	1.3±0.3	0.8±0.2
MSMA4516 (1806)	4.5±0.2	1.6±0.2	1.6±0.3	0.8±0.2
MSMA4532 (1812)	4.5±0.2	3.2±0.2	1.5±0.3	0.8±0.2

Electrical Characteristics For MSMA1005 Series

Part Number	Impedance [Ω]±25% (100MHz)	DCR(max) [Ω]	IDC(max) [mA]
MSMA100505A100	10	0.05	2500
MSMA100505A600	60	0.15	1500
MSMA100505A1211.2A	120	0.09	1200
MSMA100505A1212A	120	0.095	2000
MSMA100505A221	220	0.15	1500

Electrical Characteristics For MSMA1608 Series

Part Number	Impedance [Ω]±25% (100MHz)	DCR(max) [Ω]	Rated Current [mA]
MSMA160808A300	30	0.04	3000
MSMA160808A800	80	0.04	3000
MSMA160808A1212A	120	0.10	2000
MSMA160808A1213A	120	0.05	3000
MSMA160808A151	150	0.10	2000
MSMA160808A1812A	180	0.10	2000
MSMA160808A1813A	180	0.05	3000
MSMA160808A221	220	0.10	2000
MSMA160808A3011A	300	0.20	1000
MSMA160808A3012A	300	0.15	2000
MSMA160808A331	330	0.10	2000
MSMA160808A471	470	0.20	1000
MSMA160808A6011A	600	0.20	1000
MSMA160808A6012A	600	0.10	2000
MSMA160808A102	1000	0.25	1000
MSMA160808A122	1200	0.25	1000

Electrical Characteristics For MSMA2012 Series

Part Number	Impedance [Ω]±25% (100MHz)	DCR(max) [Ω]	Rated Current [mA]
MSMA201209A300	30	0.04	3000
MSMA201209A600	60	0.04	3000
MSMA201209A800	80	0.04	3000
MSMA201209A101	100	0.04	3000
MSMA201209A1212A	120	0.1	2000
MSMA201209A1213A	120	0.04	3000
MSMA201209A1512A	150	0.1	2000
MSMA201209A2212A	220	0.1	2000
MSMA201209A2213A	220	0.04	3000
MSMA201209A3011A	300	0.2	1000
MSMA201209A3012A	300	0.1	2000
MSMA201209A3013A	300	0.05	3000
MSMA201209A3312A	330	0.1	2000
MSMA201209A471	470	0.2	1000
MSMA201209A6011A	600	0.2	1000
MSMA201209A6012A	600	0.1	2000
MSMA201209A1021A	1000	0.3	1000
MSMA201209A1521A	1500	0.3	1000

Electrical Characteristics For MSMA3216 Series

Part Number	Impedance [Ω]±25% (100MHz)	DCR(max) [Ω]	Rated Current [mA]
MSMA321609A190	19	0.05	3000
MSMA321609A260	26	0.05	3000
MSMA321609A300	30	0.07	3000
MSMA321609A310	31	0.07	3000
MSMA321609A500	50	0.07	3000
MSMA321609A600	60	0.07	3000
MSMA321609A700	70	0.07	3000
MSMA321609A800	80	0.07	3000
MSMA321609A101	100	0.07	3000
MSMA321609A121	120	0.07	3000
MSMA321609A221	220	0.12	2500
MSMA321609A301	300	0.15	2000
MSMA321609A501	500	0.2	2000
MSMA321609A601	600	0.2	2000
MSMA321609A102	1000	0.25	2000
MSMA321611A190	19	0.03	3000
MSMA321611A300	30	0.03	3000
MSMA321611A600	60	0.03	3000
MSMA321611A700	70	0.04	3000
MSMA321611A800	80	0.04	3000
MSMA321611A101	100	0.04	3000
MSMA321611A121	120	0.05	3000
MSMA321611A221	220	0.05	3000
MSMA321611A301	300	0.06	3000
MSMA321611A5012.5A	500	0.07	2500
MSMA321611A5013A	500	0.06	3000
MSMA321611A601	600	0.08	2000
MSMA321611A102	1000	0.3	1000

Electrical Characteristics For MSMA3225 Series

Part Number	Impedance [Ω]±25% (100MHz)	DCR(max) [Ω]	Rated Current [mA]
MSMA322513A600	60	0.03	3000
MSMA322513A800	80	0.08	3000
MSMA322513A121	120	0.1	3000
MSMA322513A301	300	0.15	3000
MSMA322513A501	500	0.15	2000
MSMA322513A601	600	0.2	2000
MSMA322513A801	800	0.25	2000
MSMA322513A102	1000	0.3	2000

Electrical Characteristics For MSMA4516 Series

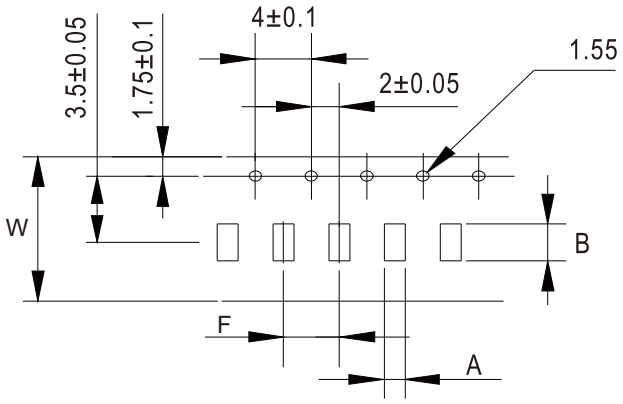
Part Number	Impedance [Ω]±25% (100MHz)	DCR(max) [Ω]	Rated Current [mA]
MSMA451616A600	60	0.04	3000
MSMA451616A800	80	0.04	3000
MSMA451616A101	100	0.04	3000
MSMA451616A851	850	0.1	1500
MSMA451616A102	1000	0.09	1500

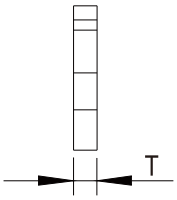
Electrical Characteristics For MSMA4532 Series

Part Number	Impedance [Ω]±25% (100MHz)	DCR(max) [Ω]	Rated Current [mA]
MSMA453215A121	120	0.04	3000
MSMA453215A151	150	0.04	3000
MSMA453215K601	600	0.04	3000
MSMA453215K781	780	0.04	3000

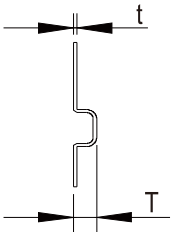
Tape & Reel Specifications:

Unit: mm





Paper Tape



Embossed Tape

Type	Tape Dimensions (mm)						Tape type	Reel OD (mm)	Quantity PCS / Reel
	W	A	B	F	T	t			
MSMA100505	8	0.65	1.25	2.0	0.55	-	Paper Tape	178	10,000
MSMA160808	8	1.00	1.80	4.0	1.10	-	Paper Tape	178	4,000
MSMA201209	8	1.50	2.30	4.0	1.10	-	Paper Tape	178	4,000
MSMA321609	8	1.90	3.50	4.0	1.10	-	Paper Tape	178	4,000
MSMA321611	8	1.88	3.50	4.0	1.49	0.30	Embossed Tape	178	3,000
MSMA322513	8	2.90	3.50	4.0	1.65	0.28	Embossed Tape	178	2,000
MSMA451616	12	1.93	4.95	4.0	2.03	0.35	Embossed Tape	178	2,000
MSMA453215	12	3.66	4.95	4.0	1.95	0.33	Embossed Tape	178	1,000