



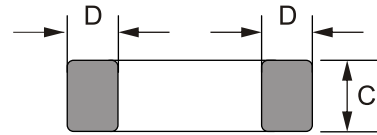
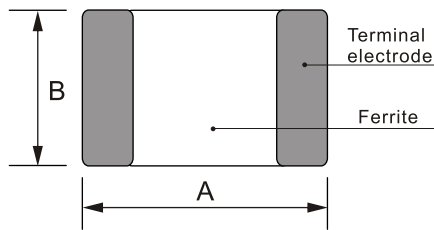
**Features**

- Small size and high impedance.
- Monolithic structure.
- Low DC resistance structure of electrode prevents wasteful electric power consumption

**Applications**

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

**► Dimensions & Configurations (Unit:mm)**



Type	A	B	C	D
MSMA160808(0603)	1.6±0.15	0.8±0.15	0.8±0.15	0.2~0.6
MSMA201209(0805)	2.0±0.2	1.25±0.2	0.9±0.2	0.2~0.8
MSMA321611(1206)	3.2±0.2	1.6±0.2	1.1±0.2	0.4~1.0
MSMA321616(1206H)	3.2±0.2	1.6±0.2	1.6±0.2	0.4~1.0
MSMA322513(1210)	3.2±0.2	2.5±0.2	1.3±0.2	0.6~1.0
MSMA451616(1806)	4.5±0.2	1.6±0.2	1.6±0.2	0.6~1.0
MSMA453215(1812)	4.5±0.2	3.2±0.2	1.5±0.2	0.6~1.0

**► Electrical Characteristics For MSMA Series**

Part Number	Impedance [Ω]±25% (100MHz)	DCR(max) [Ω]	IDC(max) [mA]
<b>1608 Series</b>			
MSMA160808A300	30	0.04	3000
MSMA160808A600	60	0.04	3000
MSMA160808A1212A	120	0.05	2000
MSMA160808A2212A	220	0.08	2000
MSMA160808A6011A	600	0.3	1000
<b>2012 Series</b>			
MSMA201209A110	11	0.03	3000
MSMA201209A170	17	0.03	3000
MSMA201209A310	31	0.03	3000
MSMA201209A470	47	0.03	3000
MSMA201209A520	52	0.03	3000
MSMA201209A600	60	0.04	3000
MSMA201209A800	80	0.04	3000
MSMA201209A101	100	0.04	3000
MSMA201209A121	120	0.05	3000
MSMA201209A221	220	0.05	3000
MSMA201209A301	300	0.05	3000
MSMA201209A6012A	600	0.1	2000
MSMA201209A1021A	1000	0.3	1000
MSMA201209A1521A	1500	0.3	1000
MSMA201209B121	120	0.1	3000
<b>3216 Series</b>			
MSMA321611A190	19	0.03	3000
MSMA321611A310	31	0.03	3000
MSMA321611A520	52	0.03	3000
MSMA321611A700	70	0.04	3000
MSMA321611A101	100	0.04	3000
MSMA321611A151	150	0.05	3000
MSMA321611A301	300	0.06	3000
MSMA321611A5012.5A	500	0.07	2500
MSMA321611A6012A	600	0.08	2000
MSMA321611A1021A	1000	0.3	1000
<b>3225 Series</b>			
ACM322513A520	52	0.03	3000
ACM322513A600	60	0.03	3000
<b>4516 Series</b>			
MSMA451616A600	60	0.04	3000
MSMA451616A800	80	0.04	3000
MSMA451616A101	100	0.04	3000
MSMA451616A181	180	0.04	3000
<b>4532 Series</b>			
MSMA453215A121	120	0.04	3000
MSMA453215A151	150	0.04	3000