

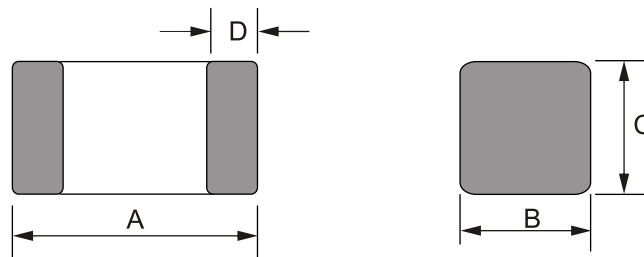
## Features

- The MSBC Series is similar to MSMB series at frequency below 100MHz, however at 1GHz the impedance is approx. 3 times larger
- The MSBC is intended for standard signal lines as this series provides significant impedance across a broad frequency range.
- The magnetic shielded structure minimizes crosstalk

## Applications

- The MSBC series is realized high impedance at 1GHz and suitable for noise suppression of digital interface from 500MHz to 1Ghz range.
- The MSBC series is effective in suppressing the ringing because resistance especially grows in the lower frequency.
- The magnetic shielded structure minimizes cross talk.

## ► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D
MSBC100505	1.0±0.05	0.5±0.05	0.5±0.05	0.25±0.1
MSBC160808	1.6±0.15	0.8±0.15	0.8±0.15	0.4±0.2

## ▶ Electrical Characteristics For MSBC100505 Series

Part Number	Impedance [Ω]±25% (@100MHz)	Impedance [Ω]±40% (@1GHz)	DCR(max) [Ω]	IDC(max) [mA]
MSBC100505A201	200	300	0.7	200
MSBC100505A221	220	300	0.7	200
MSBC100505A301	300	400	0.7	200
MSBC100505A331	330	400	0.7	200
MSBC100505A471	470	700	0.7	300
MSBC100505A601	600	1000	0.7	300
MSBC100505A102	1000	1400	1.1	250
MSBC100505B121	120	300	0.5	300
MSBC100505B221	220	500	0.6	300
MSBC100505B301	300	800	0.7	300
MSBC100505B471	470	1100	0.8	300
MSBC100505B601	600	1400	0.85	300
MSBC100505H121	120	500	0.7	300
MSBC100505H221	220	900	1.0	250
MSBC100505H301	300	1200	1.25	250
MSBC100505K121	120	300	0.5	300
MSBC100505K221	220	500	0.6	300
MSBC100505K301	300	800	0.7	300
MSBC100505K471	470	1100	0.8	300
MSBC100505K601	600	1400	0.85	300

## ▶ Electrical Characteristics For MSBC160808 Series

Part Number	Impedance [Ω]±25% (@100MHz)	Impedance [Ω] (@1GHz)	DCR(max) [Ω]	IDC(max) [mA]
MSBC160808A121	120	140±40%	0.25	300
MSBC160808A221	220	300±40%	0.5	200
MSBC160808A301	300	400±40%	0.5	200
MSBC160808A331	330	400±40%	0.5	200
MSBC160808A471	470	500±40%	0.7	200
MSBC160808A601	600	600±40%	0.9	100
MSBC160808A801	800	1000±40%	1.5	50
MSBC160808A102	1000	1200±40%	1.5	50
MSBC160808A122	1200	1000±40%	1.5	50
MSBC160808B121	120	300±40%	0.25	300
MSBC160808B221	220	500±40%	0.5	200
MSBC160808B301	300	800±40%	0.5	200
MSBC160808B331	330	800±40%	0.5	200
MSBC160808B471	470	800(Min.)	1.2	100
MSBC160808B601	600	1200(Min.)	1.5	100
MSBC160808B801	800	1200(Min.)	1.8	100
MSBC160808B102	1000	1700(Typ.)	1.8	50
MSBC160808H121	120	500±40%	0.5	200
MSBC160808H221	220	1100±40%	0.8	100
MSBC160808H301	300	1300±40%	1.2	50
MSBC160808H331	330	1300±40%	1.2	50
MSBC160808H471	470	2100±40%	1.2	50
MSBC160808H601	600	3000±40%	1.2	50
MSBC160808K121	120	300(Typ.)	0.3	300
MSBC160808K221	220	500(Typ.)	0.5	200
MSBC160808K301	300	800(Typ.)	0.6	200
MSBC160808K331	330	800(Typ.)	0.6	200
MSBC160808K471	470	800(Typ.)	0.7	200
MSBC160808K601	600	1000(Typ.)	0.8	200
MSBC160808K801	800	1200(Typ.)	0.9	100
MSBC160808K102	1000	1400(Typ.)	1.0	100