

MURATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads *muRata*

RoHS Compliant This page of product is RoHS compliant.

INNOVATOR IN ELECTRONICS

BLM_A SERIES

BLM_A Series generates an impedance from the relatively low frequencies. Therefore, BLM_A Series is effective in noise suppression in a wide frequency range.

Features:

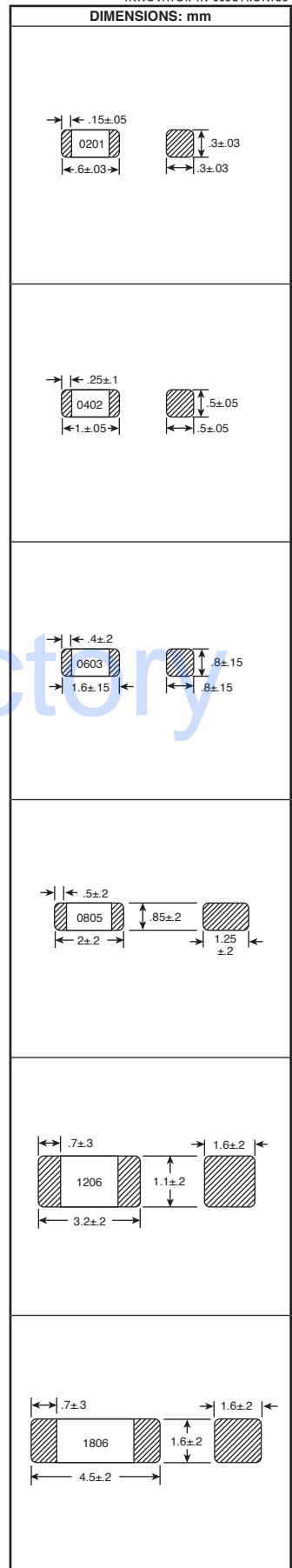
- Suitable for flow and reflow soldering
- Wide temperature range; -55°C to +125°C
- High Z characteristics

Applications:

- I/O ports, DC power lines, and signal lines

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Murata Part No. | Case Code | Impedance (Ω) | Max. DC Current (mA) | Max. DCR (mΩ) | Price Each | | | |
|-------------------|-----------------|--------------------|---------------|----------------------|---------------|------------|------|------|------|
| | | | | | | 1 | 10 | 100 | 500 |
| 81-BLM03AX100SN1D | BLM03AX100SN1D | 0201 (0603 metric) | 10 | 1000 | 50 | .18 | .098 | .068 | .061 |
| 81-BLM03AX800SN1D | BLM03AX800SN1D | 0201 (0603 metric) | 80 | 500 | 180 | .18 | .098 | .068 | .061 |
| 81-BLM03AX121SN1D | BLM03AX121SN1D | 0201 (0603 metric) | 120 | 450 | 230 | .18 | .098 | .068 | .061 |
| 81-BLM03AX241SN1D | BLM03AX241SN1D | 0201 (0603 metric) | 240 | 350 | 380 | .18 | .098 | .068 | .061 |
| 81-BLM03AG601SN1D | BLM03AG601SN1D | 0201 (0603 metric) | 600 | 100 | 1500 | .13 | .075 | .051 | .046 |
| 81-BLM03AX601SN1D | BLM03AX601SN1D | 0201 (0603 metric) | 600 | 250 | 850 | .18 | .098 | .068 | .061 |
| 81-BLM03AX102SN1D | BLM03AX102SN1D | 0201 (0603 metric) | 1000 | 200 | 1250 | .18 | .098 | .068 | .061 |
| 81-BLM15AG100SN1D | BLM15AG100SN1D | 0402 (1005 metric) | 10 | 1000 | 50 | .11 | .069 | .037 | .034 |
| 81-BLM15AX100SN1D | BLM15AX100SN1D | 0402 (1005 metric) | 10 | 1740 | 15 | .12 | .059 | .041 | .034 |
| 81-BLM15AG700SN1D | BLM15AG700SN1D | 0402 (1005 metric) | 70 | 500 | 150 | .10 | .031 | .02 | .015 |
| 81-BLM15AX700SN1D | BLM15AX700SN1D | 0402 (1005 metric) | 70 | 780 | 100 | .12 | .059 | .041 | .034 |
| 81-BLM15AG121SN1D | BLM15AG121SN1D | 0402 (1005 metric) | 120 | 500 | 250 | .11 | .069 | .037 | .034 |
| 81-BLM15AX121SN1D | BLM15AX121SN1D | 0402 (1005 metric) | 120 | 700 | 130 | .12 | .059 | .041 | .034 |
| 81-BLM15AG221SN1D | BLM15AG221SN1D | 0402 (1005 metric) | 220 | 450 | 350 | .11 | .069 | .037 | .034 |
| 81-BLM15AX221SN1D | BLM15AX221SN1D | 0402 (1005 metric) | 220 | 600 | 180 | .12 | .059 | .041 | .034 |
| 81-BLM15AG601SN1D | BLM15AG601SN1D | 0402 (1005 metric) | 600 | 300 | 600 | .10 | .056 | .03 | .027 |
| 81-BLM15AX601SN1D | BLM15AX601SN1D | 0402 (1005 metric) | 600 | 500 | 340 | .12 | .059 | .041 | .034 |
| 81-BLM15AG102SN1D | BLM15AG102SN1D | 0402 (1005 metric) | 1000 | 200 | 1000 | .11 | .069 | .037 | .034 |
| 81-BLM15AX102SN1D | BLM15AX102SN1D | 0402 (1005 metric) | 1000 | 350 | 490 | .12 | .059 | .041 | .034 |
| 81-BLM18AG121SH1D | BLM18AG121SH1D | 0603 (1608 metric) | 120 | 200 | 200 | .12 | .06 | .041 | .035 |
| 81-BLM11A121S | BLM18AG121SN1D | 0603 (1608 metric) | 120 | 500 | 180 | .10 | .065 | .035 | .032 |
| 81-BLM18AG151SN1D | BLM18AG151SN1D | 0603 (1608 metric) | 150 | 500 | 250 | .10 | .065 | .035 | .032 |
| 81-BLM11A221S | BLM18AG221SN1D | 0603 (1608 metric) | 220 | 500 | 250 | .10 | .065 | .035 | .032 |
| 81-BLM18AG221SH1D | BLM18AG221SH1D | 0603 (1608 metric) | 220 | 500 | 300 | .12 | .06 | .041 | .035 |
| 81-BLM18AG331SN1D | BLM18AG331SN1D | 0603 (1608 metric) | 330 | 500 | 300 | .10 | .064 | .031 | - |
| 81-BLM18AG471SH1D | BLM18AG471SH1D | 0603 (1608 metric) | 470 | 500 | 350 | .12 | .06 | .041 | .035 |
| 81-BLM18AG471SN1D | BLM18AG471SN1D | 0603 (1608 metric) | 470 | 500 | 350 | .10 | .065 | .035 | .032 |
| 81-BLM18AG601SH1D | BLM18AG601SH1D | 0603 (1608 metric) | 600 | 200 | 500 | .12 | .06 | .041 | .035 |
| 81-BLM11A601S | BLM18AG601SN1D | 0603 (1608 metric) | 600 | 500 | 380 | .10 | .065 | .035 | .032 |
| 81-BLM18AG102SH1D | BLM18AG102SH1D | 0603 (1608 metric) | 1000 | 100 | 700 | .12 | .06 | .041 | .035 |
| 81-BLM11A102S | BLM18AG102SN1D | 0603 (1608 metric) | 1000 | 400 | 500 | .10 | .065 | .035 | .032 |
| 81-BLM21AG121SH1D | BLM21AG121SH1D | 0805 (2012 metric) | 120 | 200 | 150 | .16 | .091 | .063 | .056 |
| 81-BLM21AG121SN1D | BLM21AG121SN1D | 0805 (2012 metric) | 120 | 200 | 150 | .14 | .077 | .053 | .048 |
| 81-BLM21A121S | BLM21AF121SN1D | 0805 (2012 metric) | 120 | 2500 | 40 | .14 | .081 | .056 | .05 |
| 81-BLM21AF121SH1D | BLM21AF121SH1D | 0805 (2012 metric) | 120 | 2500 | 40 | .18 | .098 | .068 | .061 |
| 81-BLM21AG151SH1D | BLM21AG151SH1D | 0805 (2012 metric) | 150 | 200 | 150 | .18 | .098 | .068 | .061 |
| 81-BLM21AG151SN1D | BLM21AG151SN1D | 0805 (2012 metric) | 150 | 200 | 150 | .10 | .056 | .056 | .056 |
| 81-BLM21AG221SN1D | BLM21AG221SN1D | 0805 (2012 metric) | 220 | 200 | 200 | .14 | .081 | .056 | .05 |
| 81-BLM21AG331SN1 | BLM21AG331SN1D | 0805 (2012 metric) | 330 | 200 | 250 | .14 | .081 | .056 | .05 |
| 81-BLM21AG471SH1D | BLM21AG471SH1D | 0805 (2012 metric) | 470 | 200 | 250 | .18 | .098 | .068 | .061 |
| 81-BLM21AG471SN1D | BLM21AG471SN1D | 0805 (2012 metric) | 470 | 200 | 250 | .14 | .081 | .056 | .05 |
| 81-BLM21AG601SH1D | BLM21AG601SH1D | 0805 (2012 metric) | 600 | 200 | 300 | .17 | .092 | .064 | .057 |
| 81-BLM21A601F | BLM21AG601SN1D | 0805 (2012 metric) | 600 | 200 | 300 | .10 | .052 | .052 | .052 |
| 81-BLM21A601S | BLM21AJ601SN1D | 0805 (2012 metric) | 600 | 200 | 1100 | .15 | .082 | .056 | .051 |
| 81-BLM21A102S | BLM21AH102SN1D | 0805 (2012 metric) | 1000 | 200 | 450 | .16 | .091 | .063 | .056 |
| 81-BLM21AG102SH1D | BLM21AG102SH1D | 0805 (2012 metric) | 1000 | 200 | 450 | .20 | .11 | .075 | .068 |
| 81-BLM21AG102SN1 | BLM21AG102SN1D | 0805 (2012 metric) | 1000 | 200 | 450 | .11 | .058 | .04 | .04 |
| 81-BLM31A700S | BLM31AF700SN1L | 1206 (3216 metric) | 70 | 200 | 150 | .24 | .139 | .125 | .094 |
| 81-BLM31A601S | BLM31AJ601SN1L | 1206 (3216 metric) | 600 | 200 | 900 | .33 | .187 | .169 | .128 |
| 81-BLM31AJ601SH1L | BLM31AJ601SH1L | 1206 (3216 metric) | 600 | 200 | 900 | .34 | .192 | .173 | .131 |
| 81-BLM41A800S | BLM41AF800SN1L | 1806 (4516 metric) | 80 | 500 | 100 | .33 | .187 | .168 | .127 |
| 81-BLM41A151S | BLM41AF151SN1L | 1806 (4516 metric) | 150 | 200 | 500 | .28 | .181 | .161 | .133 |



BLM_B SERIES DESIGNED FOR HIGH SPEED SIGNALS

BLM_B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics.

Features:

- Suitable for flow and reflow soldering
- Operating temperature: -55°C to +125°C
- High impedance characteristics

- Designed to reduce noise above operating frequencies from 10 to 100MHz

Applications:

- Computers and peripheral equipment
- Consumer products
- High speed circuits

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Murata Part No. | Case Code | Impedance (Ω) | Max. DC Current (mA) | Max. DCR (mΩ) | Price Each | | | |
|-------------------|-----------------|--------------------|---------------|----------------------|---------------|------------|------|------|------|
| | | | | | | 1 | 10 | 100 | 500 |
| 81-BLM15BB050SN1D | BLM15BB050SN1D | 0402 (1005 metric) | 5 | 500 | 80 | .11 | .054 | .037 | .031 |
| 81-BLM15BB100SN1D | BLM15BB100SN1D | 0402 (1005 metric) | 10 | 300 | 100 | .11 | .054 | .037 | .031 |
| 81-BLM15BB220SN1D | BLM15BB220SN1D | 0402 (1005 metric) | 22 | 300 | 200 | .11 | .054 | .037 | .031 |
| 81-BLM15BB470SN1D | BLM15BB470SN1D | 0402 (1005 metric) | 47 | 300 | 350 | .11 | .054 | .037 | .031 |
| 81-BLM15BB750SN1D | BLM15BB750SN1D | 0402 (1005 metric) | 75 | 300 | 400 | .11 | .054 | .037 | .031 |
| 81-BLM15BX750SN1D | BLM15BX750SN1D | 0402 (1005 metric) | 75 | 600 | 150 | .12 | .063 | .043 | .036 |
| 81-BLM15BB121SN1D | BLM15BB121SN1D | 0402 (1005 metric) | 120 | 300 | 550 | .11 | .054 | .037 | .031 |
| 81-BLM15BX121SN1D | BLM15BX121SN1D | 0402 (1005 metric) | 120 | 600 | 170 | .12 | .063 | .043 | .036 |
| 81-BLM15BB221SN1D | BLM15BB221SN1D | 0402 (1005 metric) | 220 | 200 | 800 | .11 | .054 | .037 | .031 |
| 81-BLM15BX221SN1D | BLM15BX221SN1D | 0402 (1005 metric) | 220 | 450 | 270 | .12 | .063 | .043 | .036 |
| 81-BLM15BD471SN1D | BLM15BD471SN1D | 0402 (1005 metric) | 470 | 200 | 600 | .11 | .054 | .037 | .031 |
| 81-BLM15BX471SN1D | BLM15BX471SN1D | 0402 (1005 metric) | 470 | 350 | 410 | .12 | .063 | .043 | .036 |
| 81-BLM15BD601SN1D | BLM15BD601SN1D | 0402 (1005 metric) | 600 | 200 | 650 | .11 | .054 | .037 | .031 |
| 81-BLM15BX601SN1D | BLM15BX601SN1D | 0402 (1005 metric) | 600 | 350 | 460 | .12 | .063 | .043 | .036 |
| 81-BLM15BD102SN1D | BLM15BD102SN1D | 0402 (1005 metric) | 1000 | 200 | 900 | .11 | .054 | .037 | .031 |
| 81-BLM15BX102SN1D | BLM15BX102SN1D | 0402 (1005 metric) | 1000 | 300 | 650 | .12 | .063 | .043 | .036 |
| 81-BLM15BX182SN1D | BLM15BX182SN1D | 0402 (1005 metric) | 1800 | 250 | 900 | .12 | .065 | .045 | .04 |
| 81-BLM18BA050SH1D | BLM18BA050SH1D | 0603 (1608 metric) | 5 | 500 | 200 | .12 | .062 | .042 | .036 |
| 81-BLM18BA050SN1D | BLM18BA050SN1D | 0603 (1608 metric) | 5 | 500 | 200 | .11 | .054 | .037 | .031 |
| 81-BLM18BB050SH1D | BLM18BB050SH1D | 0603 (1608 metric) | 5 | 700 | 100 | .12 | .062 | .042 | .036 |
| 81-BLM18BB050SN1D | BLM18BB050SN1D | 0603 (1608 metric) | 5 | 700 | 100 | .11 | .071 | .038 | .035 |
| 81-BLM18BB100SH1D | BLM18BB100SH1D | 0603 (1608 metric) | 10 | 500 | 150 | .12 | .062 | .042 | .036 |
| 81-BLM18BB100SN1D | BLM18BB100SN1D | 0603 (1608 metric) | 10 | 500 | 150 | .11 | .071 | .038 | .035 |