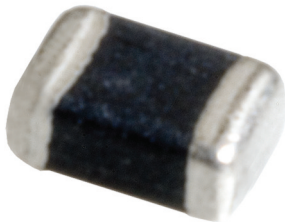
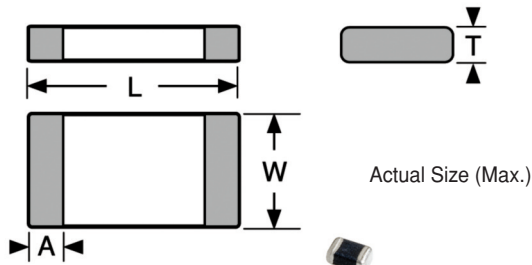


# SERIES

EMI0603R, EMI0805R, EMI1206R,  
EMI1210R, EMI1806R, EMI1812R



**Small size** utilizing a monolithic ferrite structure which results in excellent magnetic shielding.

**Operating Temperature Range** -55°C to +125°C

**Terminations** Suitable for flow & reflow soldering application.

**Current Rating** The current at which the Impedance will change by a maximum of  $\pm 25\%$ .

**Note** † Test Frequency for EMI1206R-1500 = 50 MHz

\*\*\* Test Frequency for EMI1206R-2000 = 30 MHz

Additional values available - contact factory for your application

\*Complete part # must include series # PLUS the dash #

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)

DASH NUMBER\*  
IMPEDANCE @ 100 MHz  
(OHMS)  $\pm 25\%$   
DC RESISTANCE  
MAXIMUM (OHMS)  
CURRENT RATING  
MAXIMUM (mA)  
Suppressors

| SERIES EMI0603R |      |      |     |
|-----------------|------|------|-----|
| -60             | 60   | 0.10 | 600 |
| -68             | 68   | 0.10 | 600 |
| -80             | 80   | 0.10 | 400 |
| -120            | 120  | 0.15 | 400 |
| -220            | 220  | 0.30 | 300 |
| -300            | 300  | 0.35 | 300 |
| -450            | 450  | 0.40 | 300 |
| -600            | 600  | 0.45 | 200 |
| -750            | 750  | 0.60 | 100 |
| -1000           | 1000 | 0.60 | 100 |
| SERIES EMI0805R |      |      |     |
| -11             | 11   | 0.05 | 600 |
| -40             | 40   | 0.05 | 600 |
| -90             | 90   | 0.10 | 600 |
| -120            | 120  | 0.15 | 500 |
| -150            | 150  | 0.15 | 500 |
| -220            | 220  | 0.22 | 500 |
| -300            | 300  | 0.20 | 500 |
| -400            | 400  | 0.30 | 500 |
| -600            | 600  | 0.30 | 500 |
| -1000           | 1000 | 0.35 | 300 |
| -1500           | 1500 | 0.40 | 200 |
| -2000           | 2000 | 0.50 | 200 |
| SERIES EMI1206R |      |      |     |
| -31             | 31   | 0.05 | 600 |
| -50             | 50   | 0.10 | 600 |
| -70             | 70   | 0.10 | 600 |
| -90             | 90   | 0.15 | 500 |
| -120            | 120  | 0.15 | 500 |
| -150            | 150  | 0.15 | 500 |
| -200            | 200  | 0.20 | 500 |
| -300            | 300  | 0.20 | 500 |
| -600            | 600  | 0.30 | 500 |
| -800            | 800  | 0.30 | 200 |
| -1000           | 1000 | 0.40 | 200 |
| -1200           | 1200 | 0.40 | 200 |
| -1500†          | 1500 | 0.50 | 200 |
| -2000***        | 2000 | 0.50 | 200 |
| SERIES EMI1210R |      |      |     |
| -60             | 60   | 0.30 | 400 |
| SERIES EMI1806R |      |      |     |
| -80             | 80   | 0.10 | 400 |
| -105            | 100  | 0.20 | 300 |
| -150            | 150  | 0.30 | 200 |
| SERIES EMI1812R |      |      |     |
| -125            | 120  | 0.40 | 200 |

| Physical Parameters and Packaging |                                                     |                                         |                                         |                                         |                                         |                                         |
|-----------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
|                                   | EMI0603R                                            | EMI0805R                                | EMI1206R                                | EMI1210R                                | EMI1806R                                | EMI1812R                                |
| <b>Dimensions</b>                 |                                                     |                                         |                                         |                                         |                                         |                                         |
| L - inches<br>(mm)                | 0.063 $\pm$ 0.006<br>(1.6 $\pm$ 0.15)               | 0.079 $\pm$ 0.008<br>(2.0 $\pm$ 0.2)    | 0.126 $\pm$ 0.008<br>(3.2 $\pm$ 0.2)    | 0.126 $\pm$ 0.008<br>(3.2 $\pm$ 0.2)    | 0.177 $\pm$ 0.010<br>(4.5 $\pm$ 0.25)   | 0.177 $\pm$ 0.010<br>(4.5 $\pm$ 0.25)   |
| W - inches<br>(mm)                | 0.031 $\pm$ 0.006<br>(0.8 $\pm$ 0.15)               | 0.049 $\pm$ 0.008<br>(1.25 $\pm$ 0.2)   | 0.063 $\pm$ 0.008<br>(1.6 $\pm$ 0.2)    | 0.098 $\pm$ 0.008<br>(2.5 $\pm$ 0.2)    | 0.063 $\pm$ 0.008<br>(1.6 $\pm$ 0.2)    | 0.126 $\pm$ 0.010<br>(3.2 $\pm$ 0.25)   |
| T - inches<br>(mm)                | 0.031 $\pm$ 0.006<br>(0.8 $\pm$ 0.15)               | 0.035 $\pm$ 0.008<br>(0.9 $\pm$ 0.2)    | 0.043 $\pm$ 0.008<br>(1.1 $\pm$ 0.2)    | 0.051 $\pm$ 0.008<br>(1.3 $\pm$ 0.2)    | 0.063 $\pm$ 0.008<br>(1.6 $\pm$ 0.2)    | 0.059 $\pm$ 0.010<br>(1.5 $\pm$ 0.25)   |
| A - inches<br>(mm)                | 0.012 $\pm$ 0.008<br>(0.3 $\pm$ 0.20)               | 0.020 $\pm$ 0.012<br>(0.50 $\pm$ 0.300) | 0.020 $\pm$ 0.012<br>(0.50 $\pm$ 0.300) | 0.020 $\pm$ 0.012<br>(0.50 $\pm$ 0.300) | 0.022 $\pm$ 0.016<br>(0.60 $\pm$ 0.400) | 0.022 $\pm$ 0.016<br>(0.60 $\pm$ 0.400) |
| <b>Packaging</b>                  | Tape & reel (12mm); max. pieces per reel as follows |                                         |                                         |                                         |                                         |                                         |
|                                   | 4000                                                | 4000                                    | 3000                                    | 2000                                    | 2000                                    | 1000                                    |

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