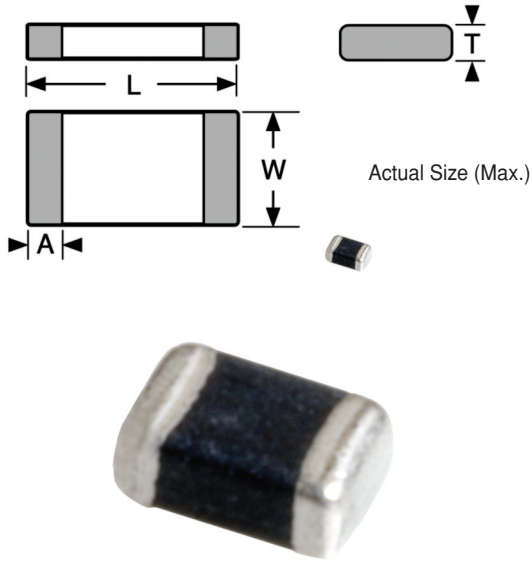


# SERIES

**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 ±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) ±25% | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|------------------------|---------------------------------|------------------------------|-----------------------------|
| <b>SERIES EMI0603R</b> |                                 |                              |                             |
| -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                         |
| <b>SERIES EMI0805R</b> |                                 |                              |                             |
| -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                         |
| <b>SERIES EMI1206R</b> |                                 |                              |                             |
| -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                         |
| <b>SERIES EMI1210R</b> |                                 |                              |                             |
| -60                    | 60                              | 0.30                         | 400                         |
| <b>SERIES EMI1806R</b> |                                 |                              |                             |
| -80                    | 80                              | 0.10                         | 400                         |
| -105                   | 100                             | 0.20                         | 300                         |
| -150                   | 150                             | 0.30                         | 200                         |
| <b>SERIES EMI1812R</b> |                                 |                              |                             |
| -125                   | 120                             | 0.40                         | 200                         |

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