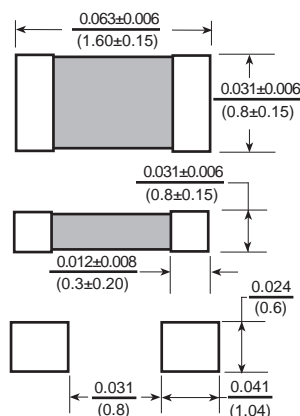




Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



| Allied Part Number | Impedance ( $\Omega$ ) @ 100 MHz +/- 25% | DC Resistance ( $\Omega$ ) Max. | *Rated Current (mA) |
|--------------------|--|---------------------------------|---------------------|
| MLB05-110-RC       | 11                                       | 0.05                            | 500                 |
| MLB05-300-RC       | 30                                       | 0.10                            | 400                 |
| MLB05-600-RC       | 60                                       | 0.10                            | 400                 |
| MLB05-800-RC       | 80                                       | 0.15                            | 400                 |
| MLB05-121-RC       | 120                                      | 0.25                            | 400                 |
| MLB05-221-RC       | 220                                      | 0.30                            | 200                 |
| MLB05-301-RC       | 300                                      | 0.40                            | 200                 |
| MLB05-471-RC       | 470                                      | 0.50                            | 200                 |
| MLB05-601-RC       | 600                                      | 0.50                            | 200                 |
| MLB05-751-RC       | 750                                      | 0.70                            | 200                 |
| MLB05-102-RC       | 1000                                     | 0.70                            | 200                 |
| MLB05-122-RC       | 1200                                     | 1.00                            | 50                  |
| MLB05-152-RC       | 1500                                     | 1.00                            | 50                  |
| MLB05-222-RC       | 2200                                     | 1.20                            | 50                  |
| MLB05-272-RC       | 2700                                     | 1.30                            | 50                  |

\*Temperature rise  $T = 30^\circ\text{C}$  at rated current.  
All specifications subject to change without notice.

### Features

- Surface mount EMI suppression components
- Nickel barrier termination for excellent resistance to solder heat
- Multi layer technology
- Flow and reflow soldering

### Electrical

**Impedance Range:** 11 $\Omega$  to 2700 $\Omega$

**Tolerance:** 25% over entire range

**Operating Range:**  $-55^\circ\text{C} \sim +125^\circ\text{C}$

**Storage Temp:** Under  $25^\circ\text{C}$  at 40–60% Humidity

**Rated Current:** Based on temp rise not to exceed  $30^\circ\text{C}$

### Resistance to Solder Heat

Pre-Heat  $150^\circ\text{C}$ , 1 minute

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp:  $260 \pm 5^\circ\text{C}$  for 10sec  $\pm 1$  sec.

Minimum of 75% of Electrode covered with new solder.

Impedance within 30% of initial value.

### Test Equipment

**(Z):** HP4291A RF Impedance/Material Analyzer

**(RDC):** Chen Hwa 502BC

### Physical

**Packaging:** 4000 per 7 inch reel.

**Marking:** None