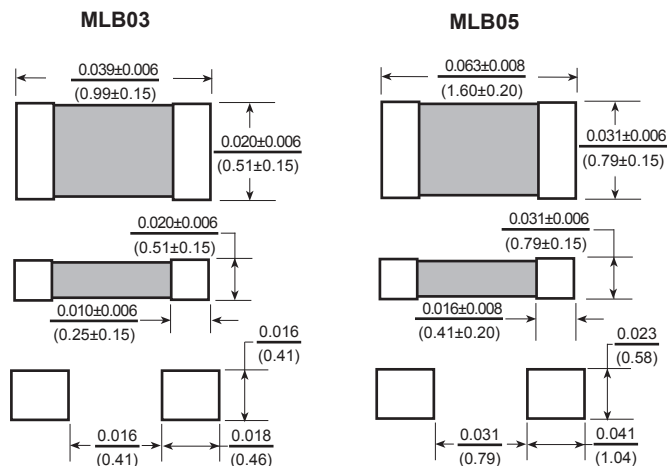




Multilayer Chip Beads

MLB03 & 05



MLB03

| Allied Part Number | Impedance (Ω) @ 100 MHz +/- 25% | DC Resistance (Ω) Max. | Rated Current (mA) |
|--------------------|---------------------------------|------------------------|--------------------|
| MLB03-060-RC | 6 | 0.05 | 500 |
| MLB03-100-RC | 10 | 0.05 | 500 |
| MLB03-400-RC | 40 | 0.20 | 500 |
| MLB03-800-RC | 80 | 0.20 | 500 |
| MLB03-121-RC | 120 | 0.25 | 500 |
| MLB03-241-RC | 240 | 0.40 | 400 |
| MLB03-481-RC | 480 | 0.50 | 300 |
| MLB03-601-RC | 600 | 0.60 | 300 |
| MLB03-102-RC | 1000 | 1.50 | 100 |
| MLB03-152-RC | 1500 | 2.00 | 60 |
| MLB03-182-RC | 1800 | 2.20 | 50 |

MLB05

| Allied Part Number | Impedance (Ω) @ 100 MHz +/- 25% | DC Resistance (Ω) Max. | Rated Current (mA) |
|--------------------|---------------------------------|------------------------|--------------------|
| MLB05-110-RC | 11 | 0.05 | 500 |
| MLB05-190-RC | 19 | 0.08 | 500 |
| MLB05-300-RC | 30 | 0.10 | 400 |
| MLB05-400-RC | 40 | 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 | 0.03 | 300 |
| MLB05-301-RC | 300 | 0.40 | 300 |
| MLB05-451-RC | 450 | 0.50 | 300 |
| MLB05-601-RC | 600 | 0.50 | 300 |
| MLB05-751-RC | 750 | 0.60 | 300 |
| MLB05-102-RC | 1000 | 0.60 | 300 |
| MLB05-152-RC | 1500 | 0.60 | 300 |
| MLB05-222-RC | 2200 | 0.80 | 200 |
| MLB05-272-RC | 2700 | 0.80 | 200 |

All specifications subject to change without notice.

Electrical

Impedance vs. Frequency Characteristics: Measured on HP4195A Network/Spectrum Analyzer.

Mechanical

Solderability: 90% terminal coverage. Preheat: $120 \pm 20^\circ\text{C}$ for 60 sec. Solder Temp: $230 \pm 5^\circ\text{C}$. Flux: rosin. Dip time: 3 ± 1 sec.

Soldering Heat Resistance: Preheat: 12° to 150°C . Solder: H63A. Solder Temp: $300 \pm 5^\circ\text{C}$. Flux: rosin. Dip time 10 ± 5 sec.

Terminal Strength:

MLB03 .2 kgf 10 ± 1 sec.

MLB05 .5 kgf 10 ± 1 sec.

Bending Strength:

1.0 kgf

3.0 kgf

Environmental

Thermal Shock: Impedance shall be within $\pm 20\%$ of initial value when temp. is -25°C and $+85^\circ\text{C}$ for 30 min. each for 50 cycles.

Humidity: Same results as above when temp. is $+60^\circ\text{C}$, humidity @ 90% RH, applied current is 300m ADC for 500 hrs.

Operating Temp.: -25°C to $+85^\circ\text{C}$.

Storage Temp.: -40°C to $+85^\circ\text{C}$.

Physical

Packaging: MLB03 - 10000 per 7 inch reel.

MLB05 - 4000 per 7 inch reel.