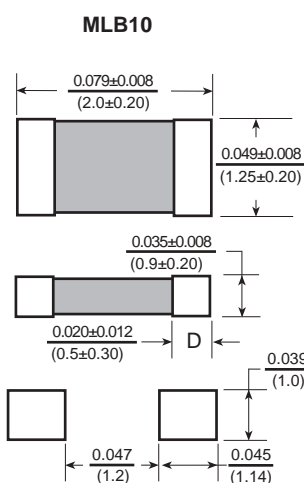


## MLB10

## Multilayer Ferrite Beads

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:** 5 $\Omega$  to 2700 $\Omega$

**Tolerance:** 25% over entire range

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

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

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

Resistance to Solder Heat

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

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

Solder Temp: 260 $\pm$ 5 $^{\circ}$ 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

Allied Part Number	Impedance ( $\Omega$ ) @ 100 MHz +/- 25%	DC Resistance ( $\Omega$ ) Max.	***Rated Current (mA)
MLB10-050-RC	5	0.10	600
MLB10-070-RC	7	0.10	600
MLB10-090-RC	9	0.10	600
MLB10-100-RC	10	0.10	600
MLB10-110-RC	11	0.10	600
MLB10-120-RC	12	0.10	600
MLB10-150-RC	15	0.10	600
MLB10-170-RC	17	0.10	600
MLB10-190-RC	19	0.10	600
MLB10-220-RC	22	0.10	600
MLB10-260-RC	26	0.10	600
MLB10-280-RC	28	0.10	600
MLB10-300-RC	30	0.10	600
MLB10-310-RC	31	0.10	600
MLB10-320-RC	32	0.10	600
MLB10-330-RC	33	0.10	500
MLB10-390-RC	39	0.10	500
MLB10-400-RC	40	0.10	500
MLB10-420-RC	42	0.10	500
MLB10-470-RC	47	0.10	500
MLB10-500-RC	50	0.10	500
MLB10-520-RC	52	0.15	500
MLB10-560-RC	56	0.15	500
MLB10-600-RC	60	0.15	500
MLB10-700-RC	70	0.15	500
MLB10-750-RC	75	0.15	500
MLB10-800-RC	80	0.15	500
MLB10-900-RC	90	0.15	500
MLB10-950-RC	95	0.15	500
MLB10-101-RC	100	0.25	300
MLB10-121-RC	120	0.25	300
MLB10-151-RC	150	0.25	300
MLB10-181-RC	180	0.30	300
MLB10-201-RC	200	0.30	300
MLB10-221-RC	220	0.30	300
MLB10-241-RC	240	0.30	300
MLB10-301-RC	300	0.30	300
MLB10-331-RC	330	0.30	300
MLB10-401-RC	400	0.30	300
MLB10-421-RC	420	0.30	300
MLB10-431-RC	430	0.40	300
MLB10-451-RC	450	0.40	300
MLB10-471-RC	470	0.40	300
MLB10-501-RC	500	0.40	300
MLB10-601-RC	600	0.40	300
MLB10-681-RC	680	0.40	300
MLB10-751-RC	750	0.50	200
MLB10-102-RC	1000	0.50	200
MLB10-122-RC	1200	0.60	200
MLB10-152-RC	1500	0.60	200
MLB10-202-RC	2000	0.70	200
MLB10-222-RC	2200	0.70	200
MLB10-252-RC	2500	0.70	200
MLB10-272-RC	2700	0.70	200

\*\*\*Temperature rise shall not be more than 30 $^{\circ}$ C at rated current.  
All specifications subject to change without notice.