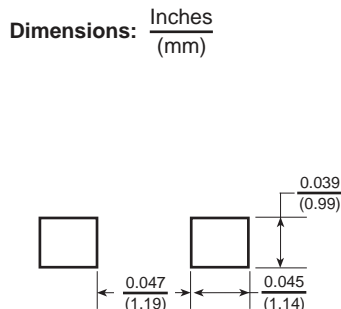
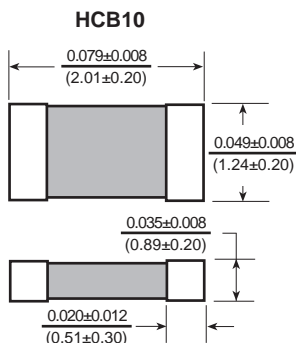




# High Current Beads

# HC B10

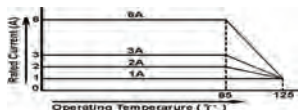


### Features

- Surface mount EMI suppression components
- Nickel barrier termination for excellent resistance to solder heat
- High current capacity
- Wide range of impedance values
- Multi layer technology
- Low DCR
- Flow and reflow soldering

### Electrical

**Impedance Range:** 5 to 1500Ω  
**Tolerance:** 25% over entire range  
**Operating Temp:** -55°C ~ +125°C  
**Storage Temp:** Under 25°C at 40~60% Humidity  
**Rate Current:** Based on temp rise not to exceed 30°C  
 Rate current is derated as indicated below based on operating temp.



### Resistance to Solder Heat

Pre-Heat 150°C, 1 minute  
 Solder Composition: Sn/Ag3.0/Cu0.5  
 Solder Temp: 260±5°C for 10sec ±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 (Ω) @ 100 MHz +/- 25%	DC Resistance (Ω) Max.	Rated Current (mA)
HC B10			
HCB10-050-RC	5	0.01	6000
HCB10-070-RC	7	0.01	6000
HCB10-110-RC	11	0.01	6000
HCB10-130-RC	13	0.02	5000
HCB10-150-RC	15	0.02	5000
HCB10-170-RC	17	0.02	5000
HCB10-190-RC	19	0.02	4000
HCB10-220-RC	22	0.02	4000
HCB10-260-RC	26	0.02	4000
HCB10-280-RC	28	0.02	4000
HCB10-300-RC	30	0.02	4000
HCB10-310-RC	31	0.02	4000
HCB10-320-RC	32	0.02	4000
HCB10-330-RC	33	0.02	4000
HCB10-390-RC	39	0.02	3000
HCB10-400-RC	40	0.02	3000
HCB10-420-RC	42	.025	3000
HCB10-500-RC	50	.025	3000
HCB10-600-RC	60	0.03	3000
HCB10-700-RC	70	0.04	3000
HCB10-750-RC	75	0.04	3000
HCB10-800-RC	80	0.04	3000
HCB10-900-RC	90	0.04	3000
HCB10-101-RC	100	0.04	3000
HCB10-121-RC	121	0.04	3000
HCB10-131-RC	130	0.05	2500
HCB10-151-RC	150	0.05	2500
HCB10-181-RC	180	0.05	2500
HCB10-201-RC	200	0.05	2500
HCB10-221-RC	220	0.08	2000
HCB10-241-RC	240	0.08	2000
HCB10-251-RC	250	0.08	2000
HCB10-301-RC	300	0.08	2000
HCB10-331-RC	330	0.08	2000
HCB10-391-RC	390	0.10	2000
HCB10-401-RC	400	0.10	2000
HCB10-451-RC	450	0.10	2000
HCB10-471-RC	470	0.10	2000
HCB10-501-RC	500	0.10	2000
HCB10-601-RC	600	0.10	2000
HCB10-751-RC	750	0.12	1500
HCB10-102-RC	1000	0.12	1500
HCB10-152-RC	1500	0.30	1000

All specifications subject to change without notice.