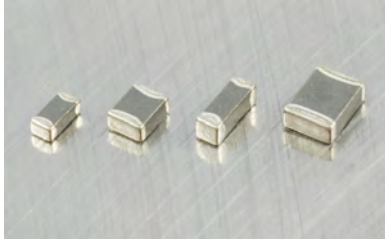
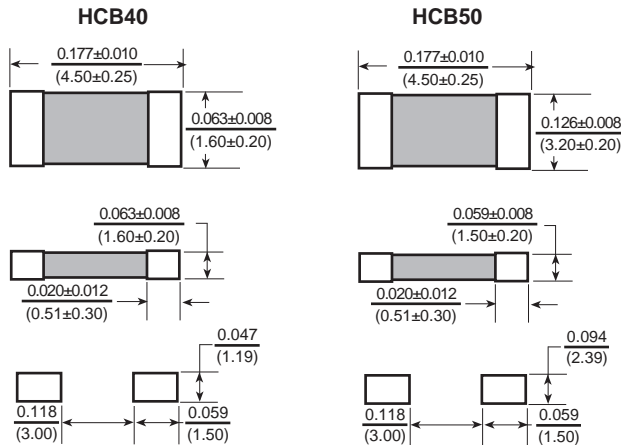
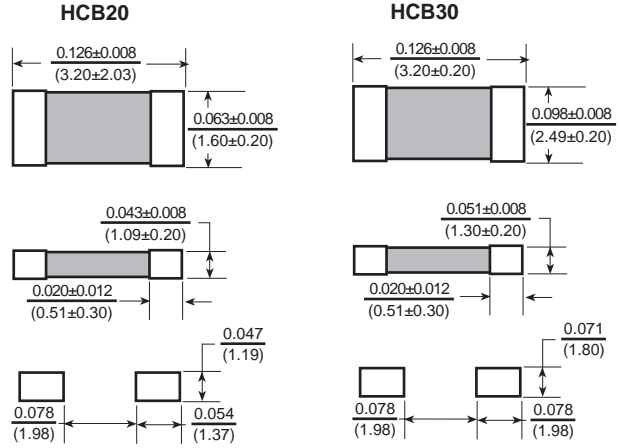




# High Current Beads HCB20 thru HCB50



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

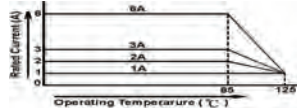


**Features**

- 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:** 7 to 1500Ω  
**Tolerance:** 25% over entire range  
**Operating Temp:** -55°C ~ +125°C  
**Storage Temp:** Under 25°C at 40~60% Humidity  
**Rated Current:** Based on temp rise not to exceed 30°C  
 Rated 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:** HCB20 - 3000 per 7 inch reel.  
 HCB30 - 2500 per 7 inch reel.  
 HCB40 - 2000 per 7 inch reel.  
 HCB50 - 1000 per 7 inch reel.

**Marking:** None

Allied Part Number	Impedance (Ω) @ 100 MHz +/- 25%	DC Resistance (Ω) Max.	*Rated Current (mA)
HCB20			
HCB20-070-RC	7	.015	6000
HCB20-080-RC	8	.015	6000
HCB20-110-RC	11	.015	6000
HCB20-190-RC	19	.015	6000
HCB20-260-RC	26	.015	6000
HCB20-300-RC	30	.015	4000
HCB20-310-RC	31	.015	4000
HCB20-320-RC	32	.015	4000
HCB20-350-RC	35	.015	4000
HCB20-400-RC	40	.015	4000
HCB20-420-RC	42	.015	4000
HCB20-480-RC	48	.02	4000
HCB20-500-RC	50	.02	4000
HCB20-520-RC	52	.02	4000
HCB20-600-RC	60	.02	4000
HCB20-680-RC	68	.02	4000
HCB20-700-RC	70	.02	4000
HCB20-750-RC	75	.025	3000
HCB20-800-RC	80	.025	3000
HCB20-900-RC	90	.03	3000
HCB20-101-RC	100	.03	2500
HCB20-121-RC	120	.03	2500
HCB20-151-RC	150	.04	2000
HCB20-201-RC	200	.05	2000
HCB20-221-RC	220	.05	2000
HCB20-301-RC	300	.06	2000
HCB20-331-RC	330	.06	2000
HCB20-391-RC	390	.06	2000
HCB20-401-RC	400	.10	2000
HCB20-500-RC	500	.10	2000
HCB20-601-RC	600	.10	2000
HCB20-102-RC	1000	.15	1200
HCB20-122-RC	1200	.18	1000
HCB20-152-RC	1500	.20	800
HCB30			
HCB30-600-RC	60	.025	4000
HCB30-900-RC	90	.025	3000
HCB40			
HCB40-190-RC	19	.02	6000
HCB40-400-RC	40	.02	6000
HCB40-500-RC	50	.02	6000
HCB40-600-RC	60	.02	5000
HCB40-700-RC	70	.025	5000
HCB40-750-RC	75	.025	5000
HCB40-800-RC	80	.025	4000
HCB40-900-RC	90	.01	2000
HCB40-101-RC	100	.10	2000
HCB40-131-RC	150	.10	2000
HCB40-151-RC	190	.10	2000
HCB40-301-RC	300	.10	2000
HCB40-471-RC	470	.10	2000
HCB40-601-RC	600	.10	2000
HCB40-851-RC	850	.10	2000
HCB40-102-RC	1000	.10	2000
HCB40-132-RC	1300	.10	2000
HCB50			
HCB50-700-RC	70	.03	6000
HCB50-800-RC	80	.03	4000
HCB50-900-RC	90	.03	4000
HCB50-121-RC	120	.03	4000
HCB50-125-RC	125	.03	4000
HCB50-151-RC	150	.03	4000
HCB50-181-RC	180	.03	4000
HCB50-601-RC	600	.05	3000
HCB50-601-RC	600	.10	2000
HCB50-132-RC	1300	.06	3000

All specifications subject to change without notice.