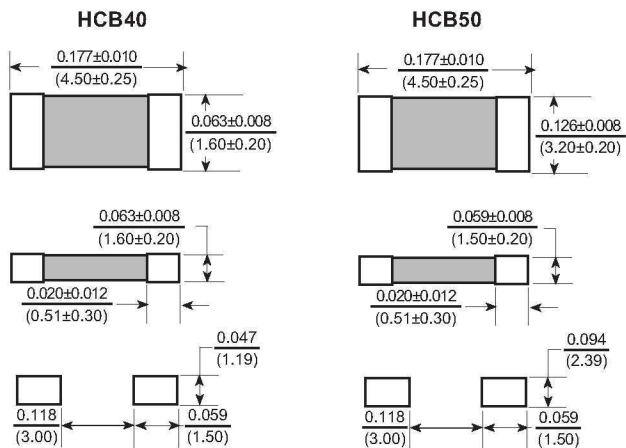
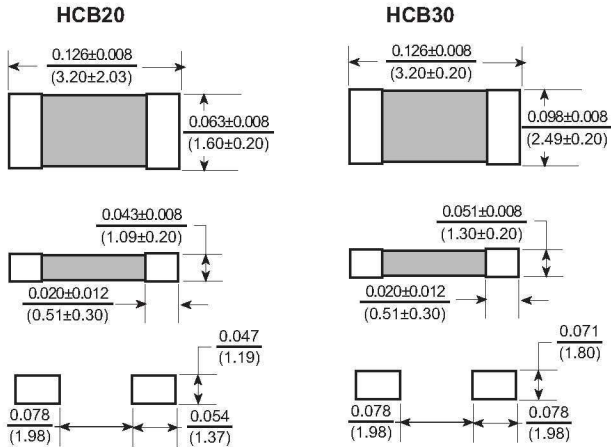




High Current Beads HCB20 thru HCB50



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

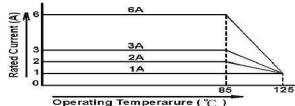


Features

- 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	0.02	4000
HCB20-500-RC	50	0.02	4000
HCB20-520-RC	52	0.02	4000
HCB20-600-RC	60	0.02	4000
HCB20-680-RC	68	0.02	4000
HCB20-700-RC	70	0.02	4000
HCB20-750-RC	75	.025	3000
HCB20-800-RC	80	.025	3000
HCB20-900-RC	90	0.03	3000
HCB20-101-RC	100	0.03	2500
HCB20-120-RC	120	0.03	2500
HCB20-121-RC	120	0.03	2500
HCB20-151-RC	150	0.04	2000
HCB20-201-RC	200	0.05	2000
HCB20-221-RC	220	0.05	2000
HCB20-301-RC	300	0.06	2000
HCB20-331-RC	330	0.06	2000
HCB20-391-RC	390	0.06	2000
HCB20-401-RC	400	0.10	2000
HCB20-501-RC	500	0.10	2000
HCB20-601-RC	600	0.10	2000
HCB20-102-RC	1000	0.15	1200
HCB20-122-RC	1200	0.18	1000
HCB20-152-RC	1500	0.20	800
HCB30			
HCB30-600-RC	60	.025	4000
HCB30-900-RC	90	.025	3000
HCB40			
HCB40-190-RC	19	0.02	6000
HCB40-400-RC	40	0.02	6000
HCB40-500-RC	50	0.02	6000
HCB40-600-RC	60	0.02	5000
HCB40-700-RC	70	.025	5000
HCB40-750-RC	75	.025	5000
HCB40-800-RC	80	.025	4000
HCB40-900-RC	90	0.01	2000
HCB40-101-RC	100	0.10	2000
HCB40-151-RC	150	0.10	2000
HCB40-181-RC	180	0.10	2000
HCB40-301-RC	300	0.10	2000
HCB40-471-RC	470	0.10	2000
HCB40-601-RC	600	0.10	2000
HCB40-851-RC	850	0.10	2000
HCB40-102-RC	1000	0.10	2000
HCB40-132-RC	1300	0.10	2000
HCB50			
HCB50-700-RC	70	0.03	6000
HCB50-800-RC	80	0.03	4000
HCB50-900-RC	90	0.03	4000
HCB50-121-RC	120	0.03	4000
HCB50-125-RC	125	0.03	4000
HCB50-151-RC	150	0.03	4000
HCB50-181-RC	180	0.05	3000
HCB50-601-RC	600	0.10	2000
HCB50-132-RC	1300	0.06	3000

All specifications subject to change without notice.