

# HCB20-320-RC Datasheet

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DiGi Electronics Part Number	HCB20-320-RC-DG
Manufacturer	<a href="#">Allied Components International</a>
Manufacturer Product Number	HCB20-320-RC
Description	FERRITE BEAD 32 OHM 1206 1LN
Detailed Description	32 Ohms @ 100 MHz 1 Power Line Ferrite Bead 1206 (3216 Metric) 4A 15mOhm

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## Purchase and inquiry

Manufacturer Product Number:

HCB20-320-RC

Series:

-

Filter Type:

Power Line

Impedance @ Frequency:

32 Ohms @ 100 MHz

DC Resistance (DCR) (Max):

15mOhm

Operating Temperature:

-55°C ~ 125°C

Mounting Type:

Surface Mount

Size / Dimension:

0.126" L x 0.063" W (3.20mm x 1.60mm)

Manufacturer:

Allied Components International

Product Status:

Active

Number of Lines:

1

Current Rating (Max):

4A

Ratings:

-

Package / Case:

1206 (3216 Metric)

Height (Max):

0.051" (1.30mm)

Features:

-

## Environmental & Export classification

RoHS Status:

RoHS Compliant

REACH Status:

REACH info available upon request

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

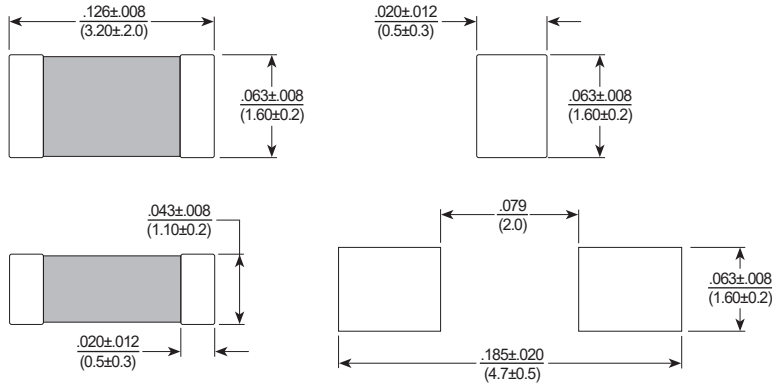
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# High Current Beads

# HCB20

Dimensions:  $\frac{\text{inch}}{\text{mm}}$



### Recommended PCB Layout

Allied Part Number	Impedance ( $\Omega$ ) @ 100 MHz $\pm 25\%$	DC Resistance (m $\Omega$ ) Max	*Rated Current (mA)
HCB20-070-RC	7	15	6000
HCB20-080-RC	8	15	6000
HCB20-110-RC	11	15	6000
HCB20-190-RC	19	15	6000
HCB20-260-RC	26	15	6000
HCB20-300-RC	30	15	4000
HCB20-310-RC	31	15	4000
HCB20-320-RC	32	15	4000
HCB20-350-RC	35	15	4000
HCB20-400-RC	40	15	4000
HCB20-420-RC	42	15	4000
HCB20-480-RC	48	20	4000
HCB20-500-RC	50	20	4000
HCB20-520-RC	52	20	4000
HCB20-600-RC	60	20	4000
HCB20-680-RC	68	20	4000
HCB20-700-RC	70	20	4000
HCB20-750-RC	75	25	3000
HCB20-800-RC	80	25	3000
HCB20-900-RC	90	30	3000
HCB20-101-RC	100	30	2500
HCB20-121-RC	120	30	2500
HCB20-151-RC	150	40	2000
HCB20-201-RC	200	50	2000
HCB20-221-RC	220	50	2000
HCB20-301-RC	300	60	2000
HCB20-331-RC	330	60	2000
HCB20-391-RC	390	60	2000
HCB20-401-RC	400	100	2000
HCB20-501-RC	500	100	2000
HCB20-601-RC	600	100	2000
HCB20-102-RC	1000	150	1200
HCB20-122-RC	1200	180	1000
HCB20-152-RC	1500	200	800

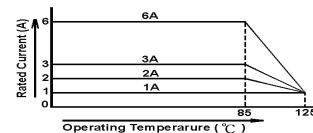
All specifications subject to change without notice.

### 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 1500 $\Omega$   
**Tolerance:** 25% over entire range  
**Operating Temp:** -55°C to +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 $\pm$ 5°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  
 DCR: Chen Hwa 502BC

### Physical

**Packaging:** 3000 per 7 inch reel

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