High Current Beads  HCB20 thru HCB50

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: SnAg3.0/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(Materialer 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

Dimensions: (mm) Inches

- HCB20
- HCB30
- HCB40
- HCB50

Allied Part Number | Impedance (Ω) @ 100 MHz +/- 25% | DC Resistance (Ω) Max. | *Rated Current (mA)

| HCB20 | 0.126±0.008 (3.20±0.20) | 0.003±0.008 (1.60±0.20) | 0.067±0.008 (2.49±0.20) |
| HCB30 | 0.126±0.008 (3.20±0.20) | 0.003±0.008 (1.60±0.20) | 0.067±0.008 (2.49±0.20) |
| HCB40 | 0.126±0.008 (3.20±0.20) | 0.003±0.008 (1.60±0.20) | 0.067±0.008 (2.49±0.20) |
| HCB50 | 0.126±0.008 (3.20±0.20) | 0.003±0.008 (1.60±0.20) | 0.067±0.008 (2.49±0.20) |

All specifications subject to change without notice.

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