HFB03 & 05
High Frequency Ferrite Beads

**Dimensions:**

HFB03

- **Inches (mm):**
  - 0.039x0.006 (0.99x0.15)
  - 0.020x0.006 (0.51x0.15)
  - 0.016x0.006 (0.41x0.15)

HFB05

- **Inches (mm):**
  - 0.003x0.006 (0.79x0.15)
  - 0.025x0.006 (0.63x0.15)
  - 0.016x0.006 (0.41x0.15)
  - 0.023x0.006 (0.58x0.15)

**Features**

- Surface mount EMI suppression components
- Nickel barrier termination for excellent resistance to solder heat
- Offers Impedance performance at high frequencies
- Multi layer technology
- Flow and reflow soldering

**Electrical**

**Impedance Range:**
- HFB03 600 to 1000Ω
- HFB05 470 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

**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:** HFB03 10000 pieces per 7 inch reel.
- HFB05 4000 pieces per 7 inch reel.

**Marking:** None

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**Allied Part Number**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Impedance (Ω) @ 100 MHz</th>
<th>Impedance (Ω) @ 1 GHz</th>
<th>DC (mA)</th>
<th>Rated Current (mA)</th>
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</thead>
<tbody>
<tr>
<td>HFB03-601-RC</td>
<td>600</td>
<td>1000</td>
<td>0.7</td>
<td>300</td>
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<tr>
<td>HFB03-102-RC</td>
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<td>1400</td>
<td>1.1</td>
<td>250</td>
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<tr>
<td>HFB05-152-RC</td>
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<td>1500</td>
<td>1.6</td>
<td>100</td>
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All specifications subject to change without notice.