# High Current Ferrite Bead

BPH323023W5O-400T

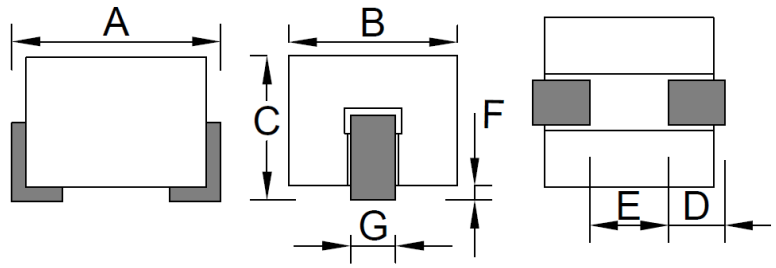
## 1. Features

1. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
2. Operating temperature-40~+125℃ (Including self - temperature rise).

Halogen-free

RoHS

## 2. Dimension




| PRODUCT SIZE | | | | | | |
|---|---|---|---|---|---|---|
| A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) | G(mm) |
| 3.08 +0.10/-0.15 | 2.90±0.10 | 2.20±0.10 | 0.80±0.20 | 1.2 Min. | 0.00～0.11 | 0.85 ±0.10 |

## 3. Part Numbering

| BPH | 323023 | W5 | O | - | 400 | T |
|---|---|---|---|---|---|---|
| A | B | C | D | | E | F |

A: Series
B: Dimension
C: Material — Ferrite Core
D: Category Code — Industrial Grade
E: Impedance — 400=40Ω
F: Packaging — T=Taping and Reel

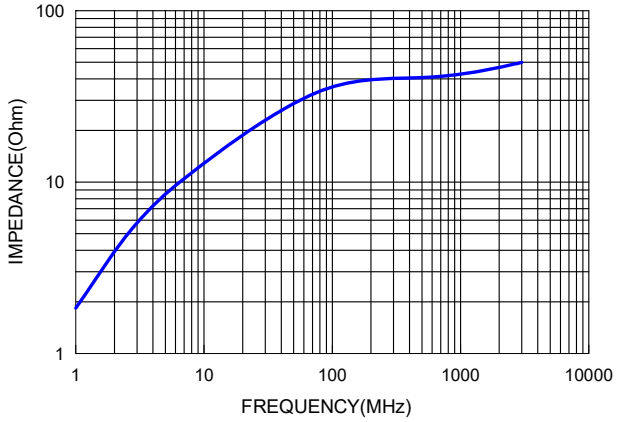
## 4. Specification

| TAI-TECH Part Number | ELECTRICAL REQUIREMENTS 1 | | | ELECTRICAL REQUIREMENTS 2 | | | DCR (mΩ) Max. | Rated Current(A) | |
|---|---|---|---|---|---|---|---|---|---|
| | Impedance (Ω) | Tolerance (%) | Test Frequency (MHz) | Impedance (Ω) | Tolerance (%) | Test Frequency (MHz) | | △T=40℃ TYP. | △T=60℃ TYP. |
| BPH323023W5O-400T | 23 | ±25 | 25 | 40 | ±25 | 100 | 0.60 | 21.0(1)<br>15.0(2) | 26.0(1)<br>18.0(2) |

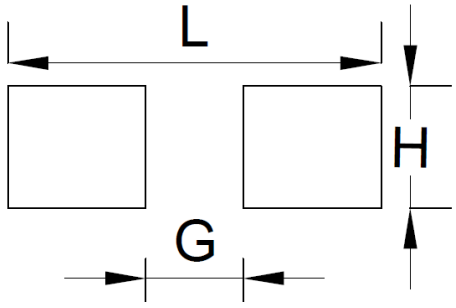
Note:

- Rated Current :
  (1) Chroma high current test fixture.
  (2) PCB test fixture (30x45mm copper pattern, 50um copper thickness).
- All test data referenced to 25℃ ambient.

## Typical Impedance v.s. Frequency Curve




## 5. Recommended PC Board Pattern




| L(mm) | G(mm) | H(mm) |
|---|---|---|
| 3.70 | 1.10 | 1.10 |

## 6. Reliability and Test Condition