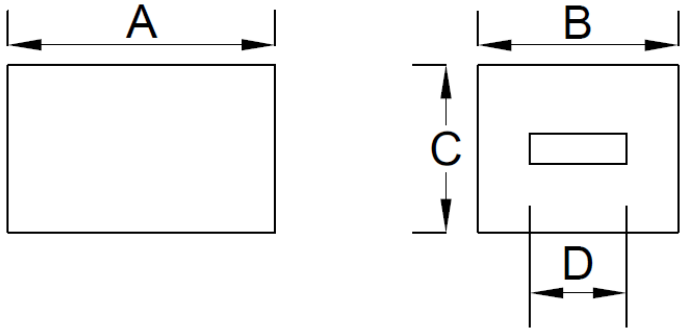
High Current Ferrite Bead

BPH403025R5O-530T

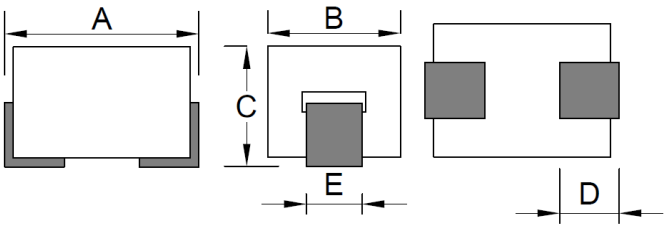
1. Features

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

2. Dimension



CORE SIZE			
A(mm)	B(mm)	C(mm)	D(mm)
4.00±0.25	3.10±0.15	2.50±0.15	1.50±0.15



PRODUCT SIZE				
A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
4.30～5.10	3.10±0.15	2.70～3.10	1.35±0.20	1.35±0.15

3. Part Numbering

BPH	403025	R5	O	-	530	T
A	B	C	D		E	F

A: Series
B: Dimension
C: Material Ferrite Core
D: Category Code Industrial Grade
E: Impedance 530=53Ω
F: Packaging T=Taping and Reel

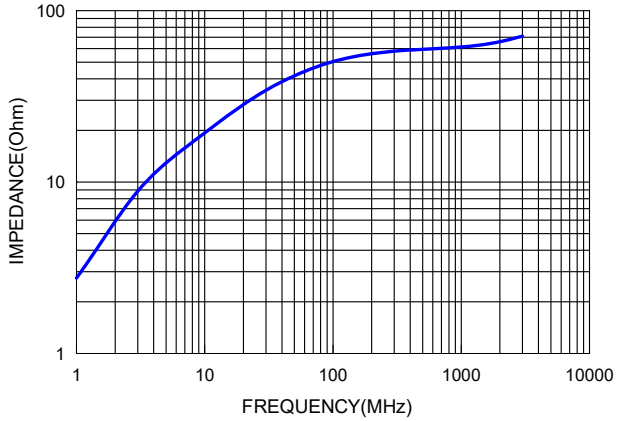
4. Specification

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.
BPH403025R5O-530T	35	±25	25	53	±25	100	0.60	35.0(1) 15.0(2)	45.0(1) 18.0(2)

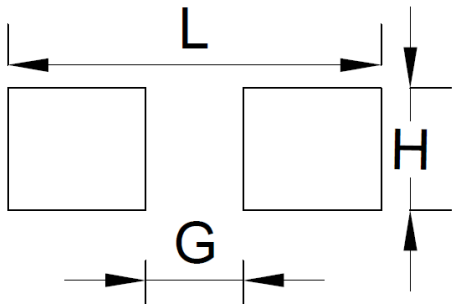
Note:

- 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)
4.8	1.4	1.5