

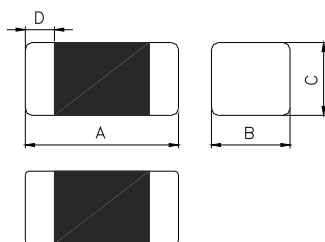
High Current Ferrite Chip Bead(Lead Free)

HCB-SERIES

1. Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. Suitable for reflow soldering.
4. Shapes and dimensions follow E.I.A. spec.
5. Available in various sizes.
6. Excellent solder ability and heat resistance.
7. High reliability.
8. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
9. Low DC resistance structure of electrode to prevent wasteful electric power consumption.
10. Operating Temperature: -55~+125°C (Including self-temperature rise)

2. Dimensions



Chip size				
Size	A(mm)	B(mm)	C(mm)	D(mm)
1005	1.00±0.10	0.50±0.10	0.50±0.10	0.25±0.10
1606	1.60±0.15	0.80±0.15	0.60±0.15	0.30±0.20
1608	1.60±0.15	0.80±0.15	0.80±0.15	0.30±0.20
2012	2.00±0.20	1.25±0.20	0.85±0.20	0.50±0.30
3216	3.20±0.20	1.60±0.20	1.10±0.20	0.50±0.30

3. Part Numbering

HCB
1608
KF
-
121
T
20

A: Series
 B: Dimension
 C: Material
 D: Impedance
 E: Packaging
 F: Rated Current

L x W
 Lead Free Material
 121=120Ω
 T=Taping and Reel, B=Bulk(Bags)
 20=2000mA

4. Specification

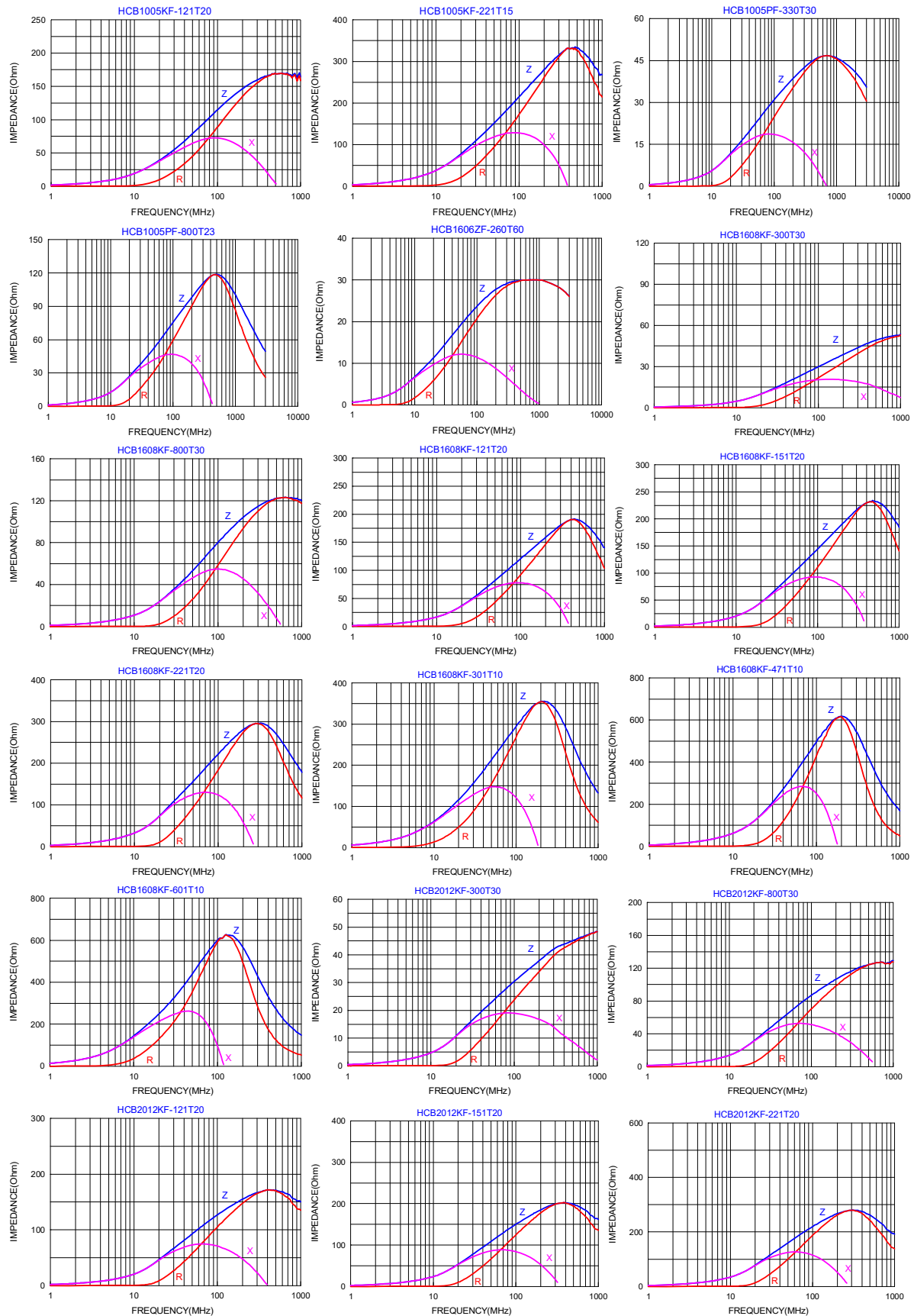
Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB1005KF-121T20	120±25%	100	0.095	2000
HCB1005KF-221T15	220±25%	100	0.15	1500
HCB1005PF-330T30	33±25%	100	0.022	3000
HCB1005PF-800T23	80±25%	100	0.038	2300
HCB1606ZF-260T60	26±25%	100	0.01	6000
HCB1608KF-300T30	30±25%	100	0.04	3000
HCB1608KF-800T30	80±25%	100	0.04	3000
HCB1608KF-121T20	120±25%	100	0.10	2000
HCB1608KF-151T20	150±25%	100	0.10	2000
HCB1608KF-221T20	220±25%	100	0.10	2000
HCB1608KF-301T10	300±25%	100	0.20	1000
HCB1608KF-471T10	470±25%	100	0.20	1000
HCB1608KF-601T10	600±25%	100	0.20	1000

TAI-TECH

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB2012KF-300T30	30 $\pm$ 25%	100	0.04	3000
HCB2012KF-800T30	80 $\pm$ 25%	100	0.04	3000
HCB2012KF-121T20	120 $\pm$ 25%	100	0.10	2000
HCB2012KF-151T20	150 $\pm$ 25%	100	0.10	2000
HCB2012KF-221T20	220 $\pm$ 25%	100	0.10	2000
HCB2012KF-301T10	300 $\pm$ 25%	100	0.20	1000
HCB2012KF-471T10	470 $\pm$ 25%	100	0.20	1000
HCB2012KF-601T10	600 $\pm$ 25%	100	0.20	1000
HCB3216KF-300T30	30 $\pm$ 25%	100	0.04	3000
HCB3216KF-500T30	50 $\pm$ 25%	100	0.04	3000
HCB3216KF-800T30	80 $\pm$ 25%	100	0.04	3000
HCB3216KF-121T20	120 $\pm$ 25%	100	0.10	2000
HCB3216KF-151T20	150 $\pm$ 25%	100	0.10	2000
HCB3216KF-301T10	300 $\pm$ 25%	100	0.20	1000
HCB3216KF-471T10	470 $\pm$ 25%	100	0.20	1000
HCB3216KF-601T20	600 $\pm$ 25%	100	0.10	2000

Note: sample quantity:15pcs

Impedance Frequency Characteristics(Typical)



Impedance Frequency Characteristics(Typical)

