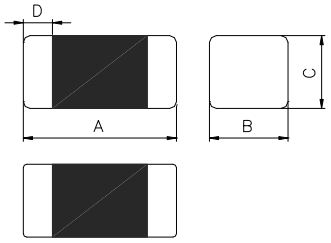
High Current Ferrite Chip Bead(Lead Free) HFZ1005PO-SERIES

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. High Current Bead Low RDC
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℃(Including self-temperature rise)

2. Dimensions



Chip Size	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

3. Part Numbering

HFZ	1005	P	O	-	300	T	30
A	B	C	D		E	F	G

A: Series
B: Dimension L x W
C: Material Lead Free Material
D: Category Code O=Industrial Grade
E: Impedance 300=30Ω
F: Packaging T=Taping and Reel
G: Rated Current 30=3000mA

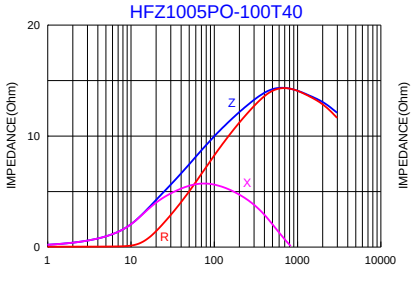
4. Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HFZ1005PO-100T40	10±25%	100	0.018	4000
HFZ1005PO-300T30	30±25%	100	0.022	3000
HFZ1005PO-600T25	60±25%	100	0.032	2500
HFZ1005PO-800T23	80±25%	100	0.038	2300
HFZ1005PO-121T20	120±25%	100	0.050	2000
HFZ1005PO-221T15	220±25%	100	0.095	1500
HFZ1005PO-301T12	300±25%	100	0.150	1200
HFZ1005PO-471T10	470±25%	100	0.200	1000
HFZ1005PO-601T09	600±25%	100	0.230	900

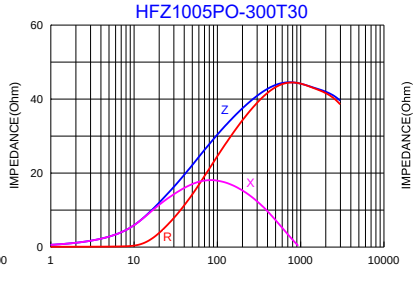
- Rated current: based on temperature rise test
- In compliance with EIA 595
- All test data referenced to 25℃ ambient

Impedance Frequency Characteristics(Typical)

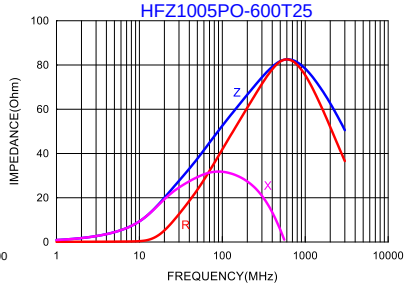
HFZ1005PO-100T40



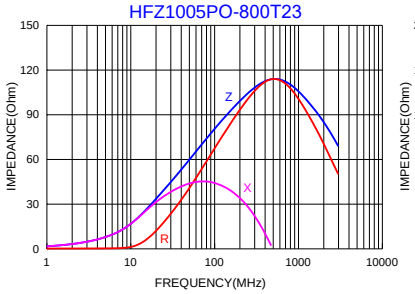
HFZ1005PO-300T30



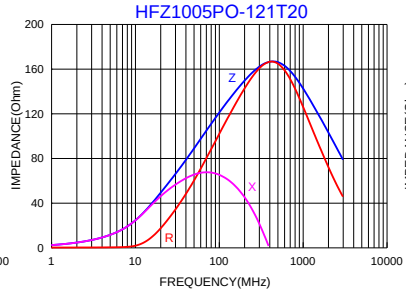
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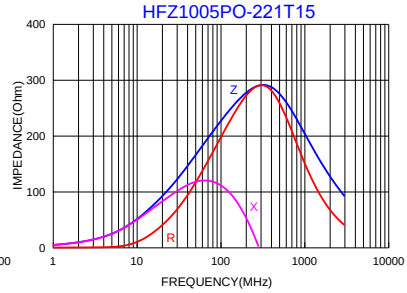
HFZ1005PO-800T23



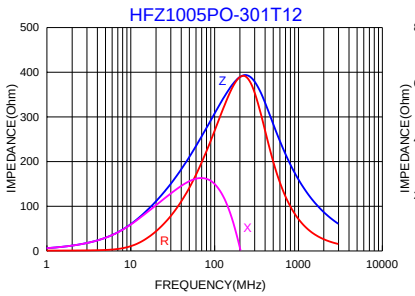
HFZ1005PO-121T20



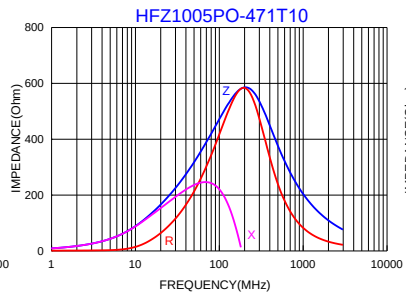
HFZ1005PO-221T15



HFZ1005PO-301T12



HFZ1005PO-471T10



HFZ1005PO-601T09

