

DATA SHEET

INDUCTOR

Chip Beads

BBFY Series

RoHS compliant & Halogen Free



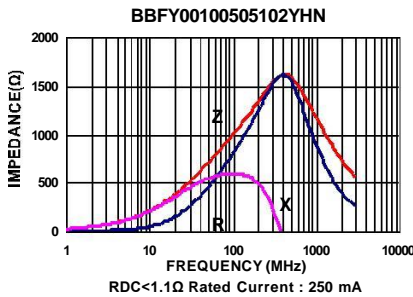
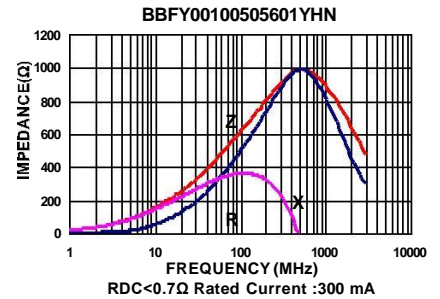
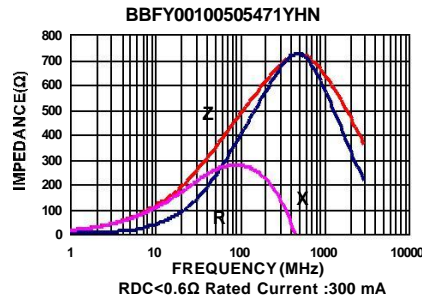
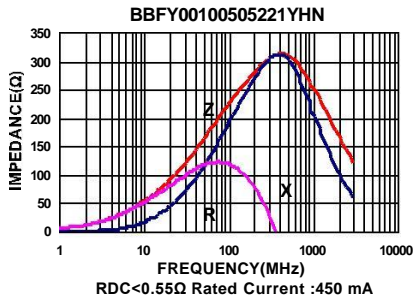
Electrical Characteristics

Part Number	Impedance ($\Omega \pm 25\%$)	Test Frequency (MHz)	Impedance ($\Omega \pm 40\%$)	Test Frequency (MHz)	RDC (Ω) Max	Rated current (mA) Max
BBFY00100505221YHN	220	100	270	1000	0.55	450
BBFY00100505301YHN	300	100	450	1000	0.55	350
BBFY00100505471YHN	470	100	650	1000	0.60	300
BBFY00100505601YHN	600	100	1000	1000	0.7	300
BBFY00100505102YHN	1000	100	1400	1000	1.1	250

Note: When ordering, please specify tolerance code. Tolerance : Y= $\pm 25\%$

- Operating temperature range $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)
- Rate Current : Applied the current to coils, the temperature rise shall not be more than 30°C
- Measure Equipment :
Z : HP4291A
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Impedance / Material Analyzer



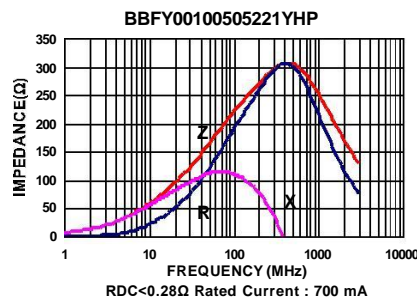
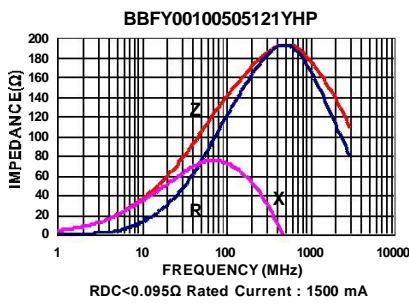
Electrical Characteristics

Part Number	Impedance ($\Omega \pm 25\%$)	Test Frequency (MHz)	Impedance ($\Omega \pm 40\%$)	Test Frequency (MHz)	RDC (Ω) Max	Rated current (mA) Max
BBFY00100505121YHP	120	100	150	1000	0.095	1500
BBFY00100505221YHP	220	100	270	1000	0.280	700

Note: When ordering, please specify tolerance code. Tolerance : Y= $\pm 25\%$

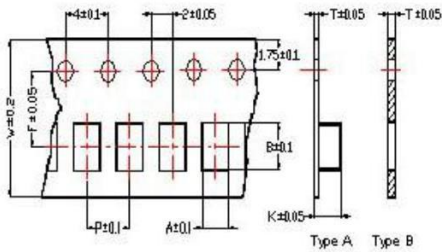
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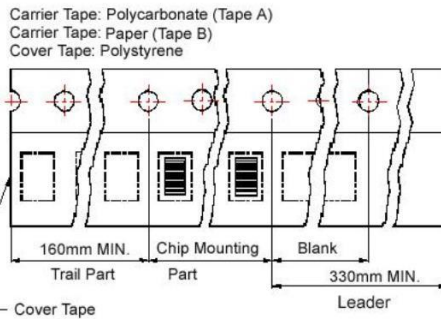


Packaging Specifications

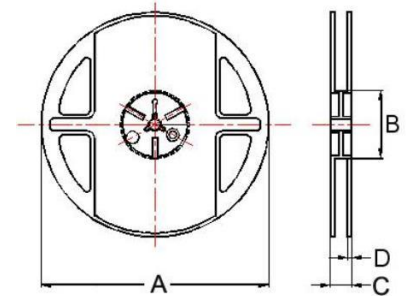
Tape Dimensions



Tape Material



Reel Dimensions



- ① : BBSY/BBSJ/BBNQ/BBPY ③ : BBUP
- ② : BBSY/BBSJ/BBNQ/BBPY/BBUP/BBFY/BBFJ
- ④ : BBBK/BBSJ/BBGK/BBPY/BBNQ/BBUP/BBHV
- ⑤ : BBBK/BBGK/BBPY/BBUP
- ⑥ : BBSY/BBBK/BBPY/BBUP
- ⑦ : BBPY/BBUP

Dimensions in mm

TYPE	Tape Dimensions								Reel Dimensions				Quantity
	A	B	T	W	P	F	K	Tape	A	B	C	D	PCS / REEL
①060303	0.37	0.67	0.42	8.0	2.0	3.5	-	B	178	60	10	2	15000
②100505	0.62	1.12	0.60	8.0	2.0	3.5	-	B	178	60	12	2	10000
③160805	1.05	1.85	0.60	8.0	2.0	3.5	-	B	178	60	12	2	10000
④160808	1.05	1.85	0.95	8.0	4.0	3.5	-	B	178	60	12	2	4000
⑤201209	1.50	2.30	0.97	8.0	4.0	3.5	-	B	178	60	12	2	4000
⑥321611	1.88	3.50	0.22	8.0	4.0	3.5	1.27	A	178	60	12	2	3000
⑦453215	3.66	4.95	0.24	12	8.0	5.5	1.85	A	178	60	14	2	1000