



SMD Multilayer Ferrite Chip Beads-HUPB Series-CA

FEATURES

- * Product symbol: HSB, HGB, HPB, HUPB, HNB, HF, HVPB
- * Packaging: T: Tape and Reel; B: Bulk
- * Tolerance: Y = $\pm 25\%$; M = $\pm 20\%$; T: $\pm 30\%$
- * Note: RoHS Compliant

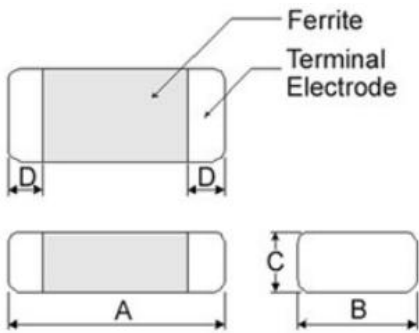


ORDERING CODE(标志示例)

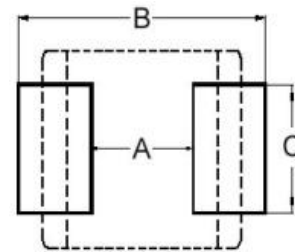
HUPB □□□□ - □□□ □ - **CA**
(1) (2) (3) (4) (5)

- (1) HUPB 向华料号 Part Number
- (2) 尺寸 Dimensions
- (3) 电感量 Inductance
- (4) 电感量公差 Inductance Tolerance
- (5) 尾码 Tail code

Shape and Dimensions



Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D
①060303	0.6 \pm 0.03	0.30 \pm 0.03	0.3 \pm 0.03	0.15 \pm 0.05
②100505	1.0 \pm 0.10	0.50 \pm 0.10	0.5 \pm 0.10	0.25 \pm 0.10
③160805	1.6 \pm 0.15	0.80 \pm 0.15	0.5 \pm 0.15	0.3 \pm 0.2
④160808	1.6 \pm 0.15	0.80 \pm 0.15	0.8 \pm 0.15	0.3 \pm 0.2
⑤201209	2.0 \pm 0.20	1.25 \pm 0.20	0.9 \pm 0.20	0.5 \pm 0.3
⑥321611	3.2 \pm 0.20	1.60 \pm 0.20	1.1 \pm 0.20	0.5 \pm 0.3

TYPE	A	B	C
①060303	0.2~0.3	0.75~1.05	0.30
②100505	0.40	1.2~1.4	0.50
③160805	0.7~0.8	1.8~2.0	0.6~0.8
④160808	0.7~0.8	1.8~2.0	0.6~0.8
⑤201209	1.0~1.2	2.6~4.0	1.0~1.2
⑥321611	2.00	4.2~5.2	1.20

Dimension Conversion

Code	Dimension in mm (A×B×C)	EIA
060303	0.6X0.3X0.3	0201
100505	1.0X0.5X0.5	0402
160805	1.6X0.8X0.5	0603
160808	1.6X0.8X0.8	0603
201209	2.0X1.2X0.9	0805
321611	3.2X1.6X1.1	1206



SMD Multilayer Ferrite Chip Beads-HUPB100505 Series-CA

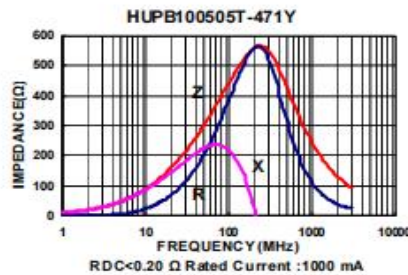
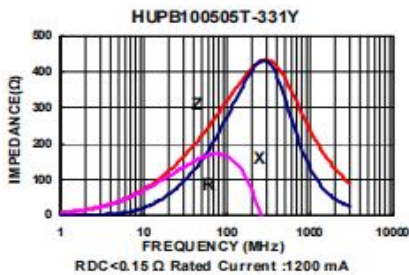
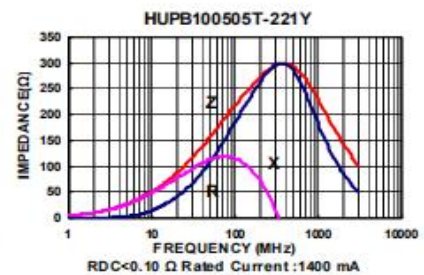
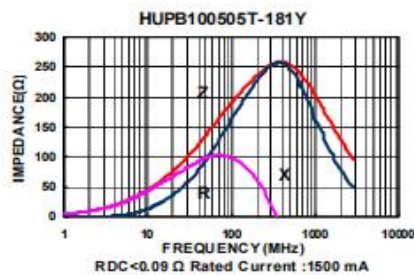
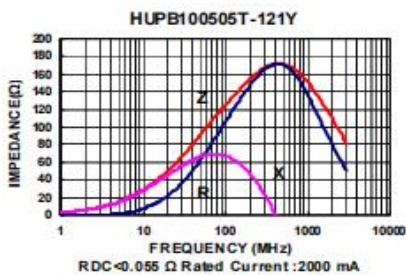
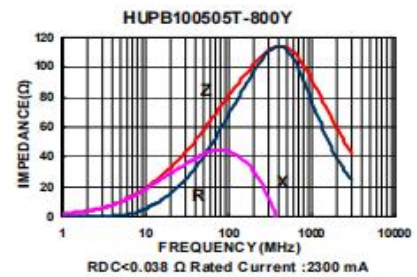
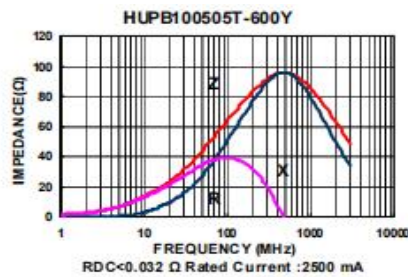
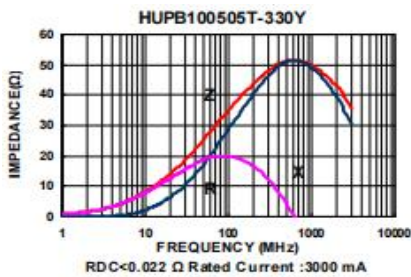
HUPB100505 series Electrical Characteristics

Part No.	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	RDC (Ω)Max	Rated current (mA)Max
HUPB100505T-330Y-CA	33	25	100	0.022	3000
HUPB100505T-600Y-CA	60	25	100	0.032	2500
HUPB100505T-800Y-CA	80	25	100	0.038	2300
HUPB100505T-121Y-CA	120	25	100	0.055	2000
HUPB100505T-181Y-CA	180	25	100	0.090	1500
HUPB100505T-221Y-CA	220	25	100	0.100	1400
HUPB100505T-331Y-CA	330	25	100	0.150	1200
HUPB100505T-471Y-CA	470	25	100	0.200	1000

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

- Operating temperature range—55°C~125°C(Including self - temperature rise)
- Rate Current: Applied the current to coils, the temperature rise shall not be more than 30°C

Test Instruments: Agilent E4991A Impedance / Material Analyzer



Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without advance notice. Please contact our sales department before ordering.



SMD Multilayer Ferrite Chip Beads-HUPB160805 Series-CA

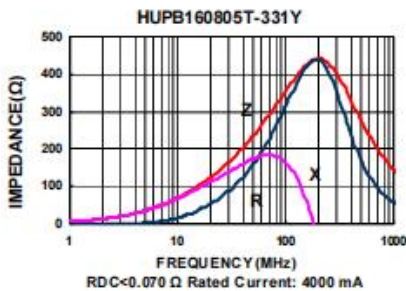
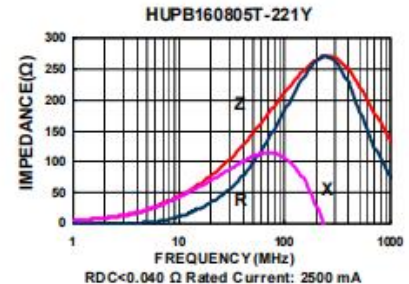
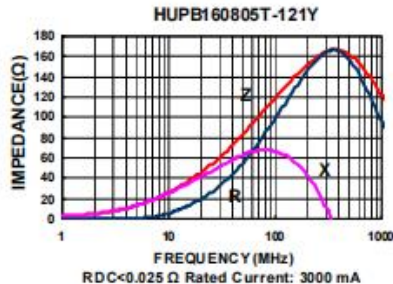
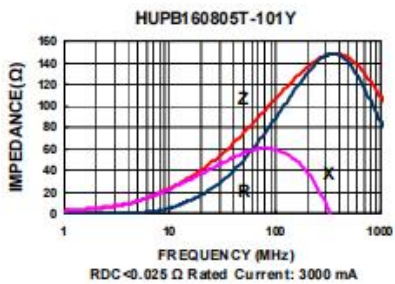
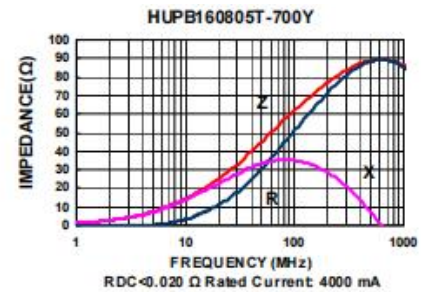
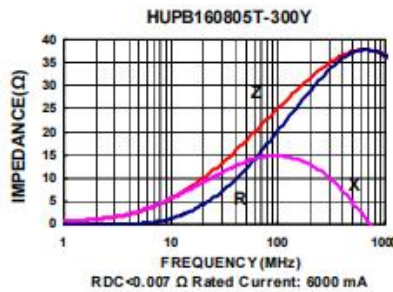
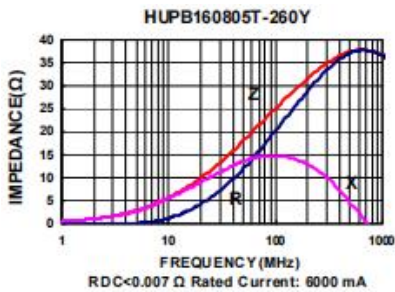
HUPB160805 series Electrical Characteristics

Part No.	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	RDC (Ω)Max	Rated current (mA)Max
HUPB160805T-260Y-CA	26	25	100	0.007	6000
HUPB160805T-300Y-CA	30	25	100	0.007	6000
HUPB160805T-700Y-CA	70	25	100	0.020	4000
HUPB160805T-101Y-CA	100	25	100	0.025	3000
HUPB160805T-121Y-CA	120	25	100	0.025	3000
HUPB160805T-221Y-CA	220	25	100	0.040	2500
HUPB160805T-331Y-CA	330	25	100	0.070	1500

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

Test Instruments: Agilent E4991A Impedance / Material Analyzer



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SMD Multilayer Ferrite Chip Beads-HUPB160808 Series-CA

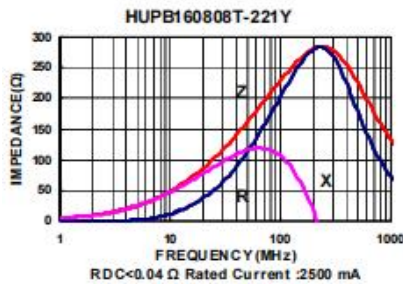
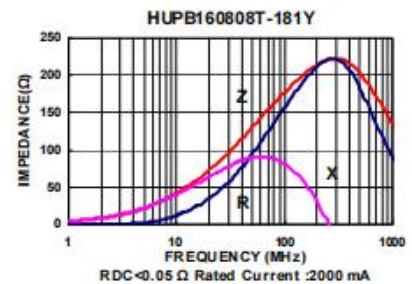
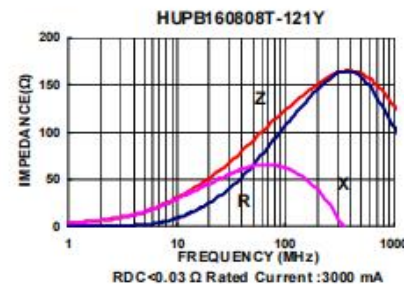
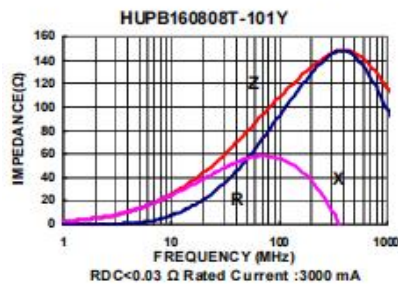
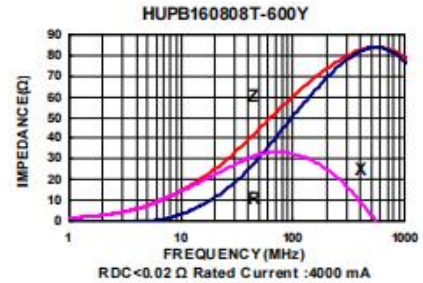
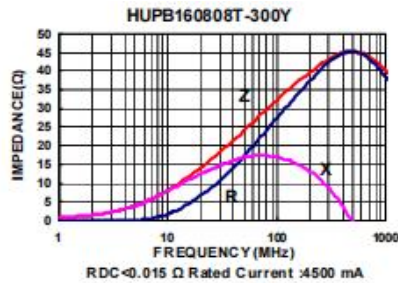
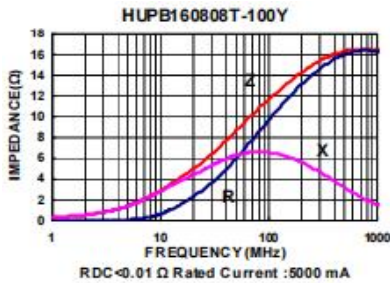
HUPB160808 series Electrical Characteristics

Part No.	Impedance	Tolerance	Test Freq. (MHz)	RDC	Rated current
	(Ω)	($\pm\%$)		(Ω)Max	(mA)Max
HUPB160808T-100Y-CA	10	25	100	0.010	5000
HUPB160808T-300Y-CA	30	25	100	0.015	4500
HUPB160808T-600Y-CA	60	25	100	0.020	4000
HUPB160808T-700Y-CA	70	25	100	0.020	4000
HUPB160808T-101Y-CA	100	25	100	0.030	3000
HUPB160808T-121Y-CA	120	25	100	0.030	3000
HUPB160808T-181Y-CA	180	25	100	0.050	2000
HUPB160808T-221Y-CA	220	25	100	0.040	2500

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

Test Instruments: Agilent E4991A Impedance / Material Analyzer



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SMD Multilayer Ferrite Chip Beads-HUPB201209 Series-CA

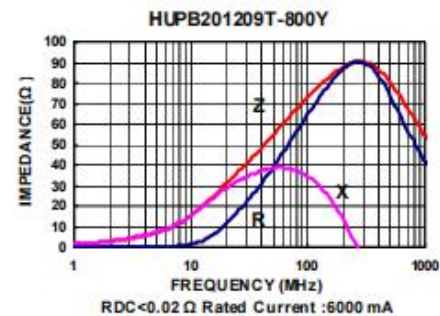
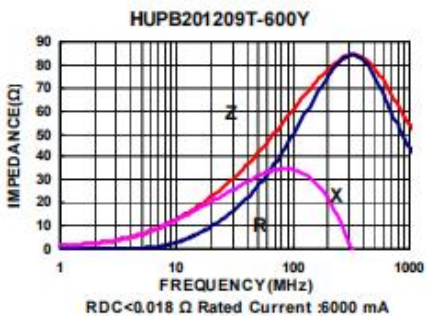
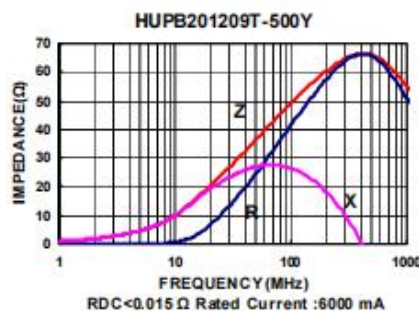
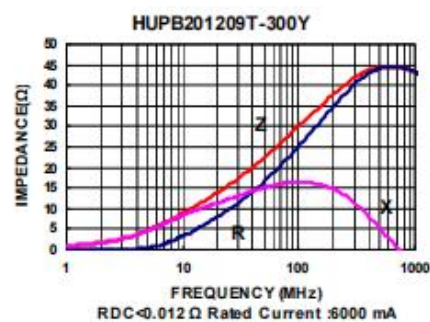
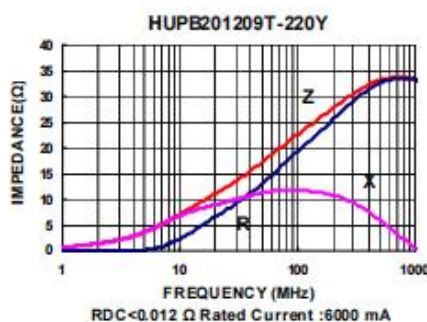
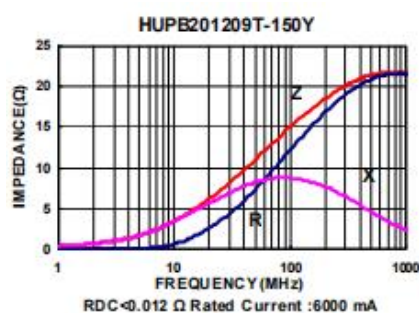
HUPB201209 series Electrical Characteristics

Part No.	Impedance (Ω)	Tolerance (±%)	Test Freq. (MHz)	RDC (Ω)Max	Rated current (mA)Max
HUPB201209T-150Y-CA	15	25	100	0.012	6000
HUPB201209T-220Y-CA	22	25	100	0.012	6000
HUPB201209T-300Y-CA	30	25	100	0.012	6000
HUPB201209T-500Y-CA	50	25	100	0.015	6000
HUPB201209T-600Y-CA	60	25	100	0.018	6000
HUPB201209T-800Y-CA	80	25	100	0.020	6000
HUPB201209T-101Y-CA	100	25	100	0.020	5000
HUPB201209T-121Y-CA	120	25	100	0.020	5000
HUPB201209T-201Y-CA	200	25	100	0.040	3000
HUPB201209T-221Y-CA	220	25	100	0.040	3000
HUPB201209T-301Y-CA	300	25	100	0.050	3000
HUPB201209T-331Y-CA	330	25	100	0.050	3000

Note: When ordering, please specify tolerance code. Tolerance : Y=±25%

- Operating temperature range—55°C~125°C(Including self - temperature rise)
- Rate Current: Applied the current to coils, the temperature rise shall not be more than 30°C

Test Instruments: Agilent E4991A Impedance / Material Analyzer

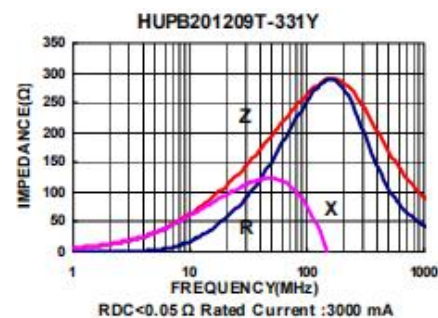
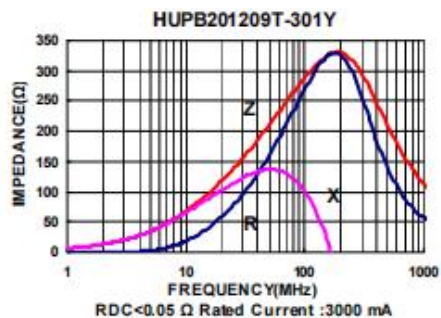
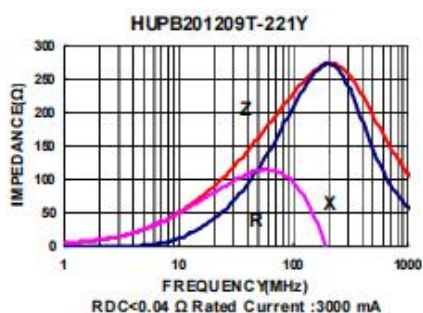
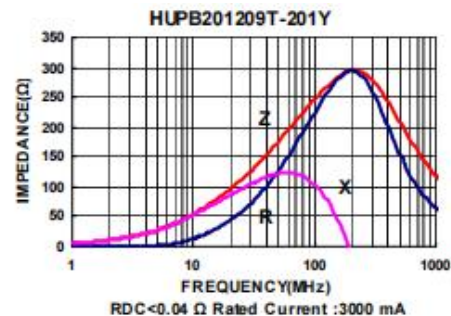
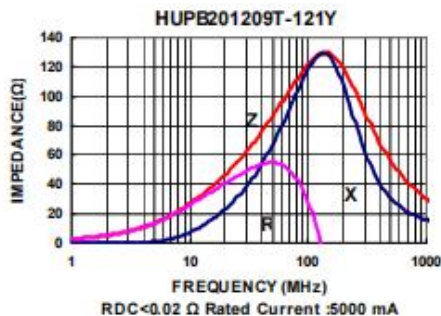
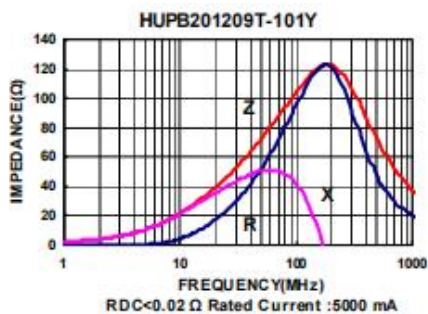


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SMD Multilayer Ferrite Chip Beads-HUPB201209 Series-CA

Test Instruments: Agilent E4991A Impedance / Material Analyzer



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SMD Multilayer Ferrite Chip Beads-HUPB321611 Series-CA

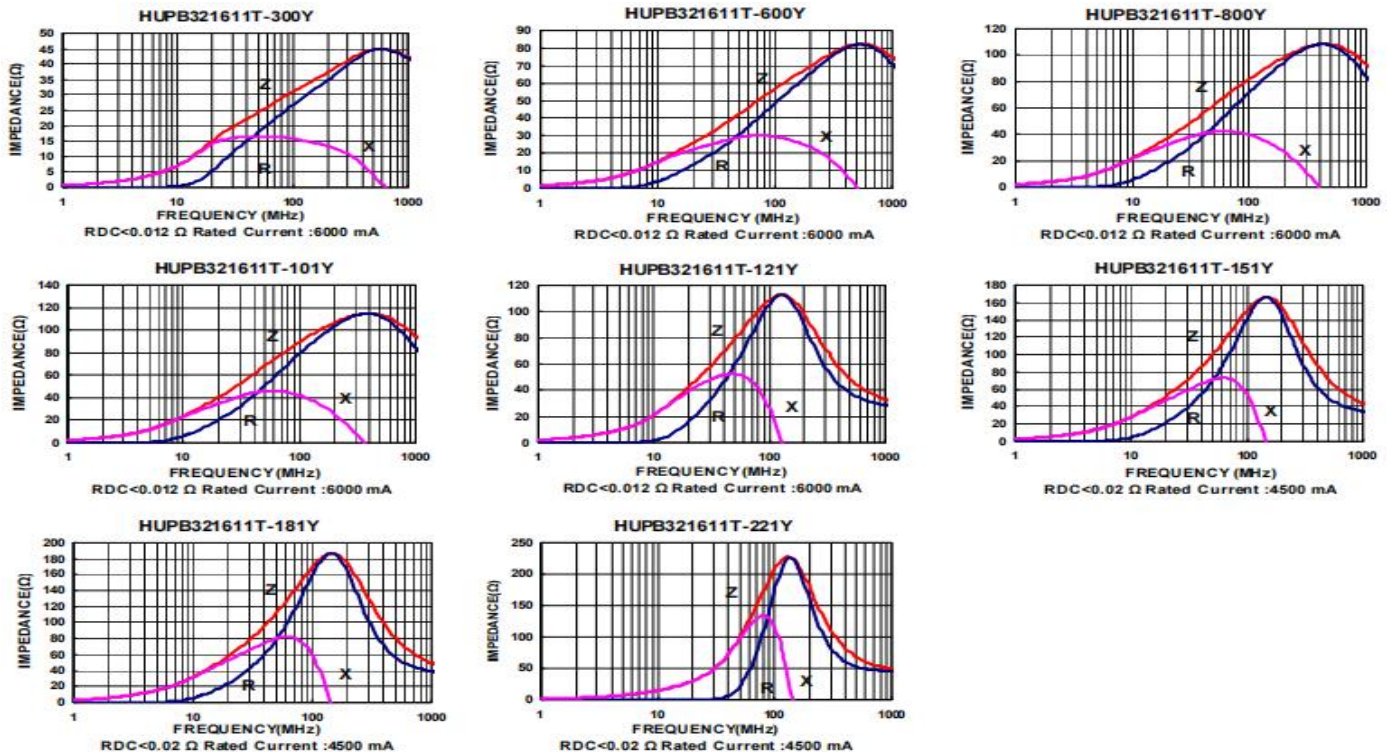
HUPB321611 series Electrical Characteristics

Part No.	Impedance (Ω)	Tolerance (±%)	Test Freq. (MHz)	RDC (Ω)Max	Rated current (mA)Max
HUPB321611T-300Y-CA	30	25	100	0.012	6000
HUPB321611T-600Y-CA	60	25	100	0.012	6000
HUPB321611T-800Y-CA	80	25	100	0.012	6000
HUPB321611T-101Y-CA	100	25	100	0.012	6000
HUPB321611T-121Y-CA	120	25	100	0.012	6000
HUPB321611T-151Y-CA	150	25	100	0.020	4500
HUPB321611T-181Y-CA	180	25	100	0.020	4500
HUPB321611T-221Y-CA	220	25	100	0.020	4500

Note: When ordering, please specify tolerance code. Tolerance : Y=±25%

- Operating temperature range—55°C~125°C(Including self - temperature rise)
- Rate Current: Applied the current to coils, the temperature rise shall not be more than 30°C

Test Instruments: Agilent E4991A Impedance / Material Analyzer



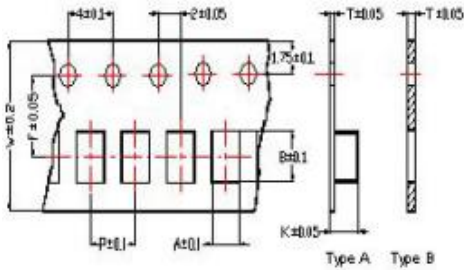
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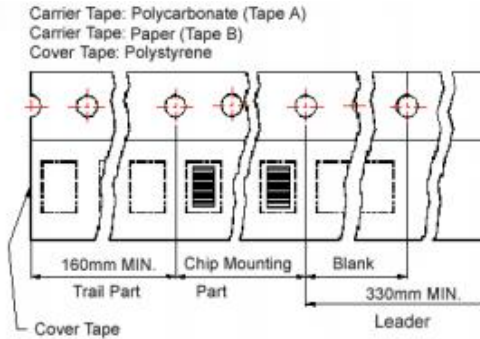
SMD Multilayer Ferrite Chip Beads-HUPB Series-CA

Packaging Specifications

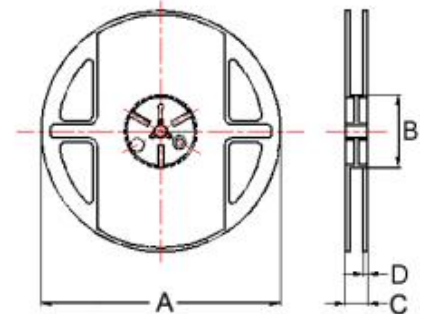
Tape Dimensions



Tape Material



Reel Dimensions



- ① : HSBY / HSBJ / HNB / HPB
- ② : HSBY / HSBJ / HNB / HPB / HUPB / HF
- ③ : HUPB
- ④ : HSBK / HSBJ / HGB / HPB / HNB / HUPB / HVPB
- ⑤ : HSBK / HGB / HPB / HUPB
- ⑥ : HSBY / HSBK / HPB / HUPB

Dimensions in mm

TYPE	Tape Dimensions								Reel Dimensions				Quantity PCS/REEL
	A	B	T	W	P	F	K	Tape	A	B	C	D	
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