

SMD Multilayer Ferrite Chip Beads - PBY Series

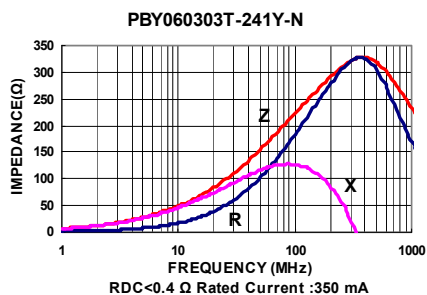
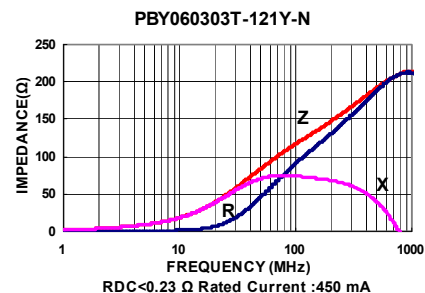
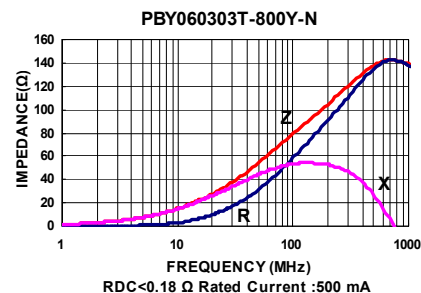
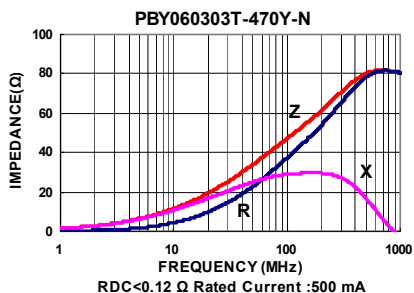
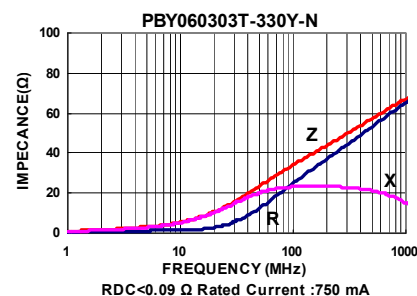
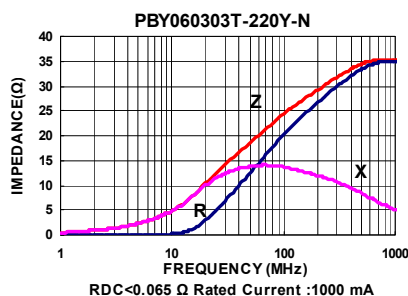
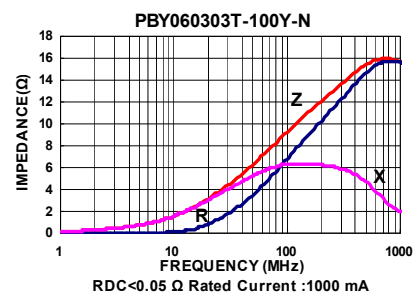
Electrical Characteristics

Part Number	Impedance ($\Omega \pm 25\%$)	Test Frequency (MHz)	RDC (Ω) Max	Rated current (mA) Max
PBY060303T-100Y-N	10	100	0.050	1000
PBY060303T-220Y-N	22	100	0.065	1000
PBY060303T-330Y-N	33	100	0.090	750
PBY060303T-470Y-N	47	100	0.120	500
PBY060303T-800Y-N	80	100	0.180	500
PBY060303T-121Y-N	120	100	0.230	450
PBY060303T-241Y-N	240	100	0.400	350

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
- Measure Equipment :
Z : HP4291A
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Impedance / Material Analyzer



SMD Multilayer Ferrite Chip Beads – PBY Series

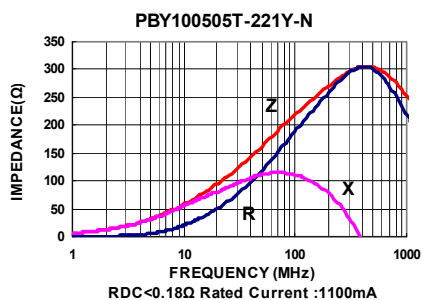
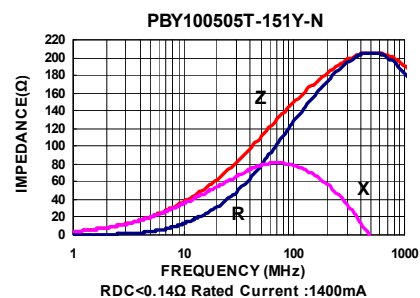
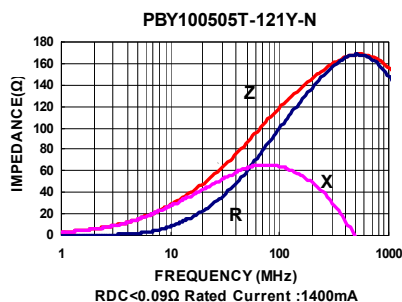
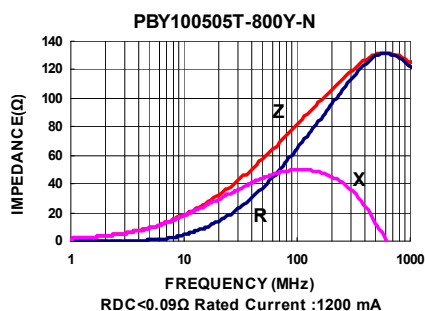
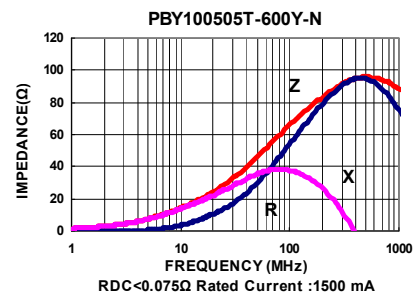
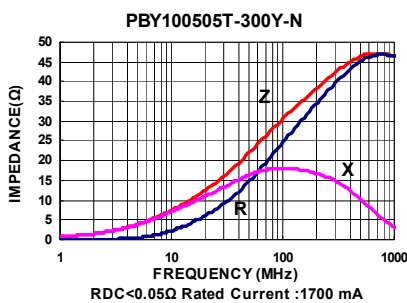
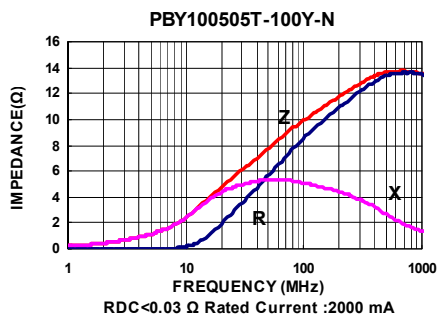
Electrical Characteristics

Part Number	Impedance ($\Omega \pm 25\%$)	Test Frequency (MHz)	RDC (Ω) Max	Rated current (mA) Max
PBY100505T-100Y-N	10	100	0.03	2000
PBY100505T-300Y-N	30	100	0.05	1700
PBY100505T-600Y-N	60	100	0.075	1500
PBY100505T-800Y-N	80	100	0.09	1200
PBY100505T-121Y-N	120	100	0.09	1400
PBY100505T-151Y-N	150	100	0.14	1400
PBY100505T-221Y-N	220	100	0.18	1100
PBY100505T-601Y-N	600	100	0.34	700
PBY100505T-102Y-N	1000	100	0.49	500

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
- Measure Equipment :
Z : HP4291A
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Impedance / Material Analyzer



SMD Multilayer Ferrite Chip Beads - PBY Series

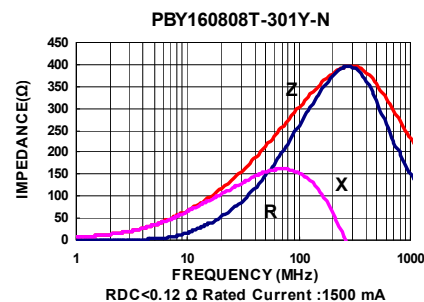
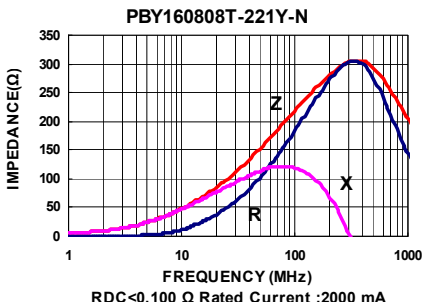
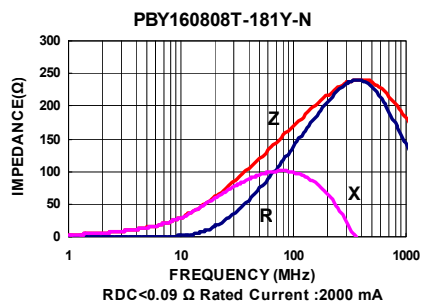
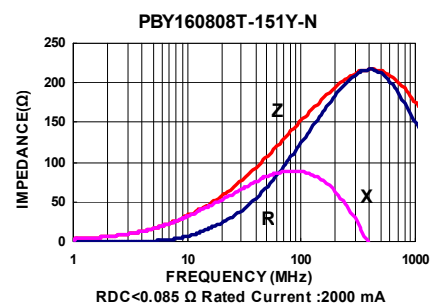
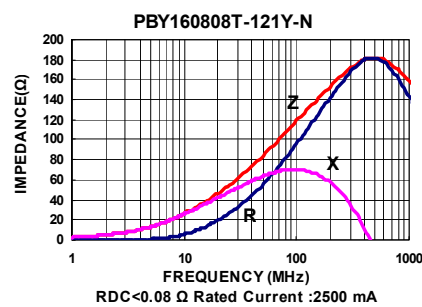
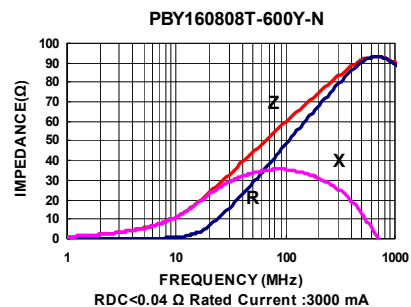
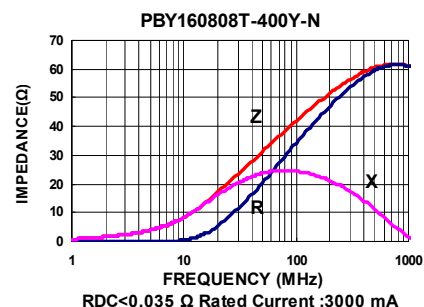
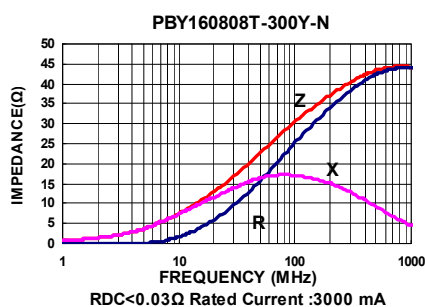
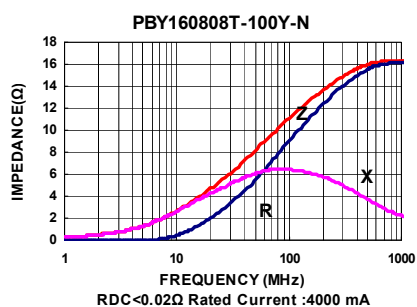
Electrical Characteristics

Part Number	Impedance ($\Omega \pm 25\%$)	Test Frequency (MHz)	RDC (Ω) Max	Rated current (mA) Max
PBY160808T-100Y-N	10	100	0.020	4000
PBY160808T-300Y-N	30	100	0.030	3000
PBY160808T-400Y-N	40	100	0.035	3000
PBY160808T-600Y-N	60	100	0.040	3000
PBY160808T-121Y-N	120	100	0.080	2500
PBY160808T-151Y-N	150	100	0.085	2000
PBY160808T-181Y-N	180	100	0.090	2000
PBY160808T-221Y-N	220	100	0.100	2000
PBY160808T-301Y-N	300	100	0.120	1500
PBY160808T-471Y-N	470	100	0.150	1200
PBY160808T-601Y-N	600	100	0.200	1000
PBY160808T-102Y-N	1000	100	0.250	800
PBY160808T-122Y-N	1200	100	0.250	800
PBY160808T-152Y-N	1500	100	0.400	500

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

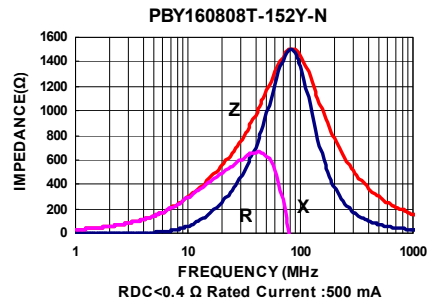
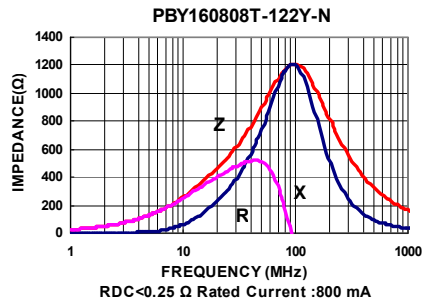
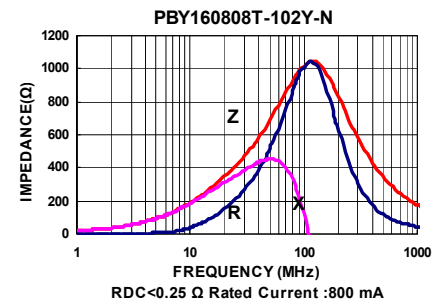
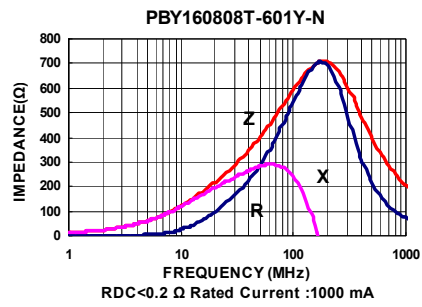
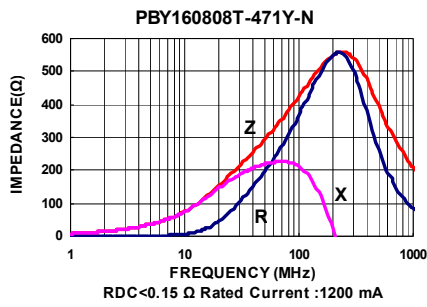
- Operating temperature range - 55°C ~ 125°C(Including self - temperature rise)
- Rate Current : Applied the current to coils, the temperature rise shall not be more than 30°C
- Measure Equipment :
Z : HP4291A
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Impedance / Material Analyzer



SMD Multilayer Ferrite Chip Beads – PBY Series

Test Instruments : Agilent E4991A Impedance / Material Analyzer



SMD Multilayer Ferrite Chip Beads – PBY Series

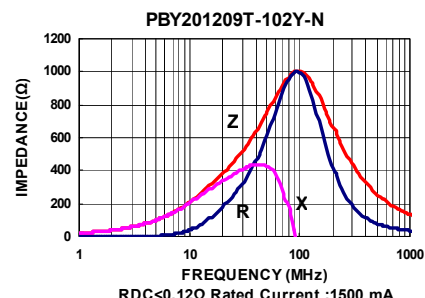
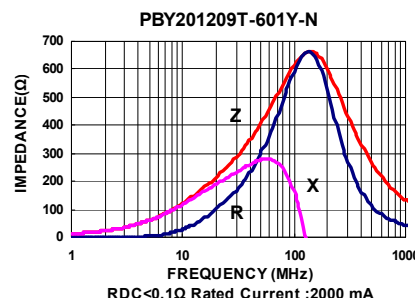
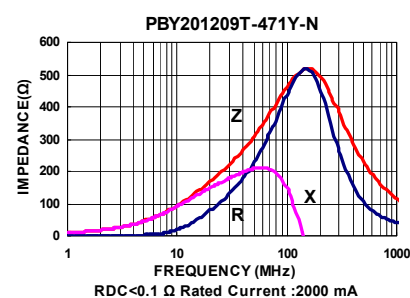
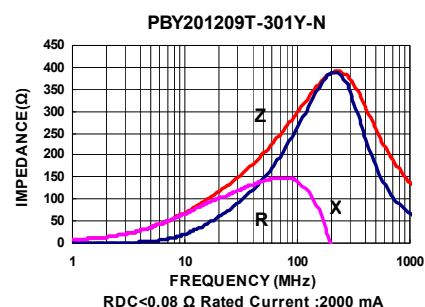
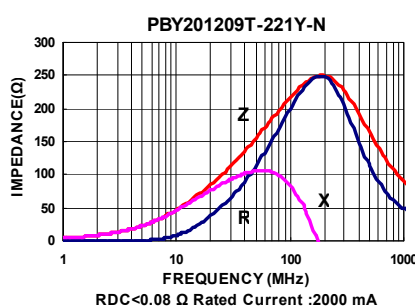
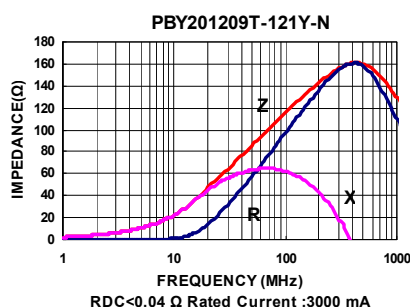
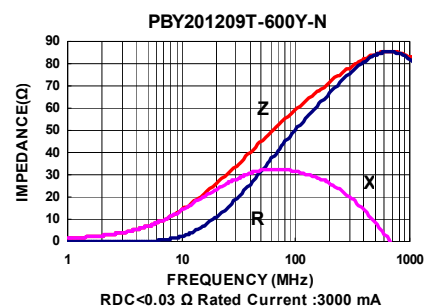
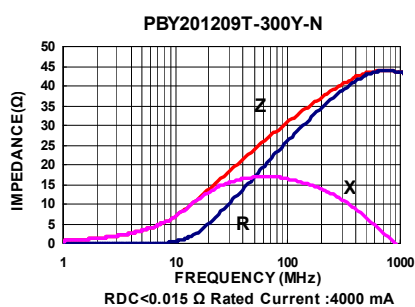
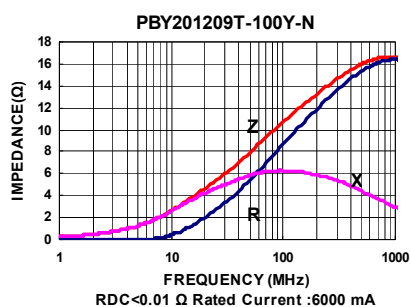
Electrical Characteristics

Part Number	Impedance ($\Omega \pm 25\%$)	Test Frequency (MHz)	RDC (Ω) Max	Rated current (mA) Max
PBY201209T-100Y-N	10	100	0.01	6000
PBY201209T-300Y-N	30	100	0.015	4000
PBY201209T-500Y-N	50	100	0.025	3000
PBY201209T-600Y-N	60	100	0.03	3000
PBY201209T-800Y-N	80	100	0.04	3000
PBY201209T-121Y-N	120	100	0.04	3000
PBY201209T-221Y-N	220	100	0.08	2000
PBY201209T-301Y-N	300	100	0.08	2000
PBY201209T-471Y-N	470	100	0.10	2000
PBY201209T-601Y-N	600	100	0.10	2000
PBY201209T-102Y-N	1000	100	0.12	1500
PBY201209T-152Y-N	1500	100	0.30	1000

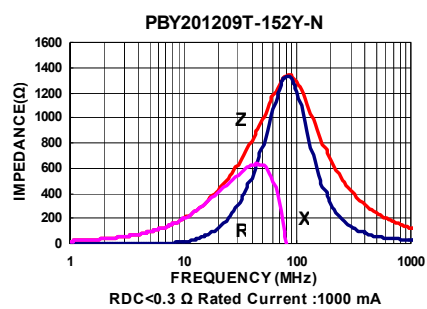
Note: When ordering, please specify tolerance code. Tolerance : Y=±25%

- 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
- Measure Equipment :
Z : HP4291A
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Impedance / Material Analyzer



Test Instruments : Agilent E4991A Impedance / Material Analyzer



SMD Multilayer Ferrite Chip Beads - PBY Series

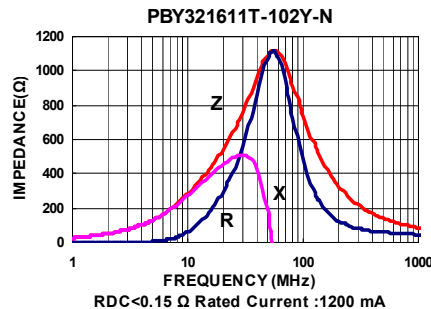
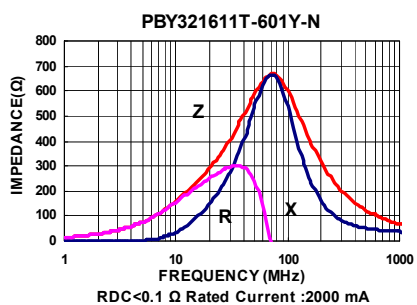
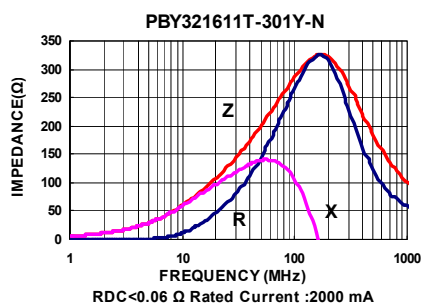
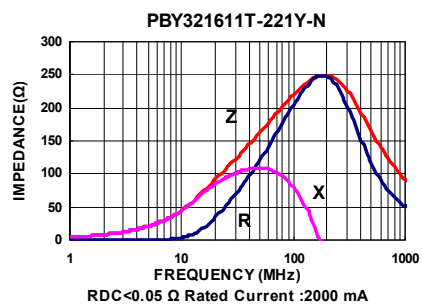
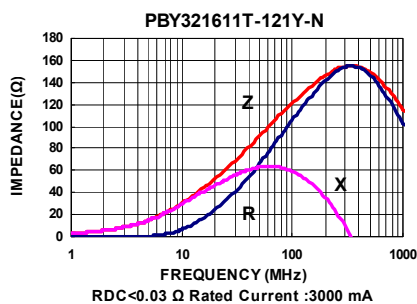
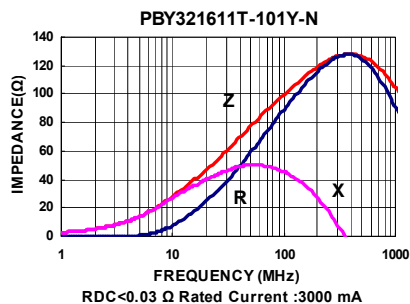
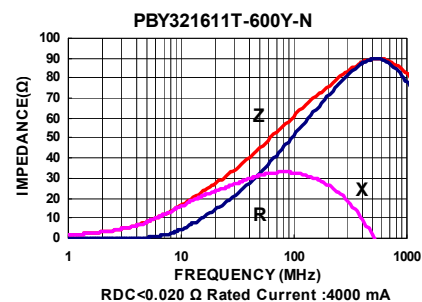
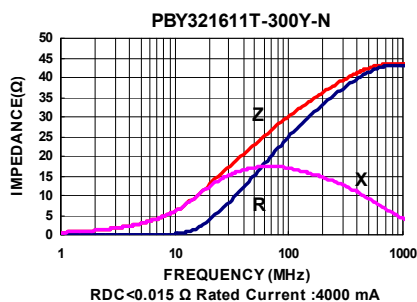
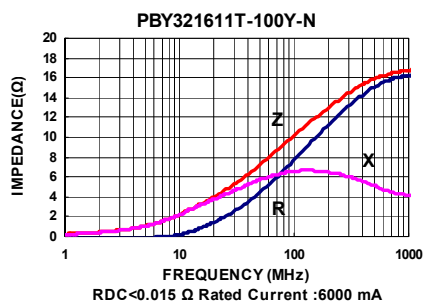
Electrical Characteristics

Part Number	Impedance ($\Omega \pm 25\%$)	Test Frequency (MHz)	RDC (Ω) Max	Rated current (mA) Max
PBY321611T-100Y-N	10	100	0.015	6000
PBY321611T-300Y-N	30	100	0.015	4000
PBY321611T-600Y-N	60	100	0.020	4000
PBY321611T-101Y-N	100	100	0.030	3000
PBY321611T-121Y-N	120	100	0.030	3000
PBY321611T-221Y-N	220	100	0.050	2000
PBY321611T-301Y-N	300	100	0.060	2000
PBY321611T-601Y-N	600	100	0.100	2000
PBY321611T-102Y-N	1000	50	0.150	1200
PBY321611T-122Y-N	1200	50	0.180	1000
PBY321611T-152Y-N	1500	50	0.200	800

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

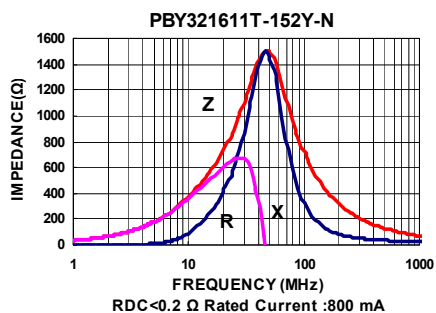
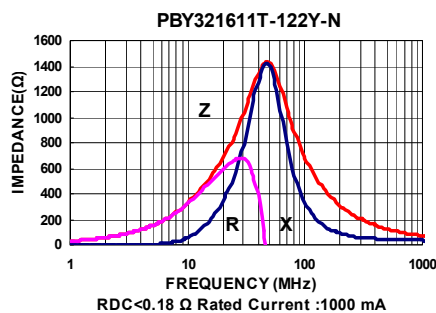
- Operating temperature range - 55°C ~ 125°C(Including self - temperature rise)
- Rate Current : Applied the current to coils, the temperature rise shall not be more than 30°C
- Measure Equipment :
Z : HP4291A
RDC : HP4338B or CHEN HWA 502

Test Instruments : Agilent E4991A Impedance / Material Analyzer



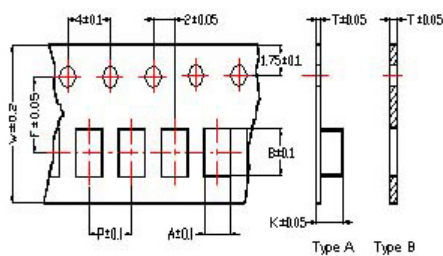
SMD Multilayer Ferrite Chip Beads – PBY Series

Test Instruments : Agilent E4991A Impedance / Material Analyzer



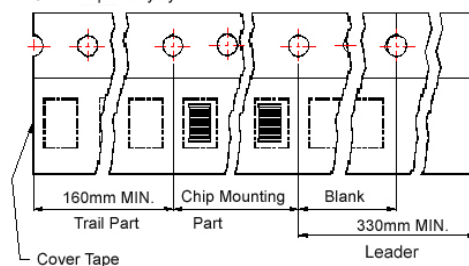
Packaging Specifications

Tape Dimensions

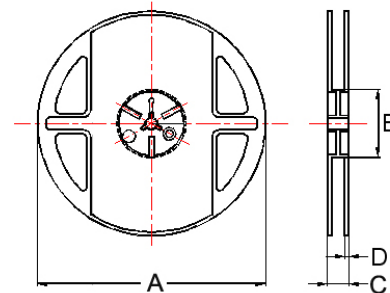


Tape Material

Carrier Tape: Polycarbonate (Tape A)
Carrier Tape: Paper (Tape B)
Cover Tape: Polystyrene



Reel Dimensions



- ① : SBY / SBJ / NB / PB
② : SBY / SBJ / NB / PB / UPB / HF ③ : UPB
④ : SBK / SBJ / GB / PB / NB / UPB / VPB
⑤ : SBK / GB / PB / UPB ⑥ : SBY / SBK / PBY / UPB

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	0.65	1.15	0.60	8.0	2.0	3.5	-	B	178	60	12	2	10000
③160805	1.05	1.85	0.75	8.0	4.0	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