

# MULTILAYER FERRITE CHIP BEADS / PB SERIES

## PB series, for high current use

### Features

- Suitable for high current applications
- Small package size—EIA STD 0402/0603/0805/1206/1806 and 1812
- Nickel barrier terminations provide excellent solder heat resistance
- Current rating up to 6 AMPS ( max ) ( high current handling capacity)
- Low DCR
- Suitable for flow and reflow soldering
- Available in 6 sizes

### Applications

- High current DC power lines for USB interface circuitry, personal computers, electronic games, hard disk drives, and other general electronic equipment.

### Electrical Characteristics

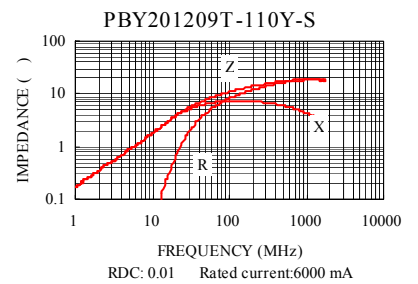
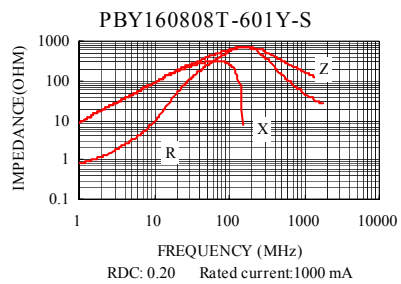
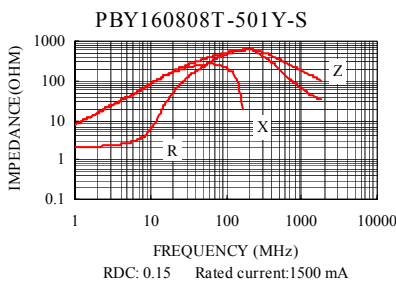
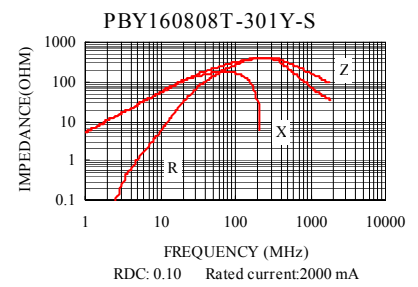
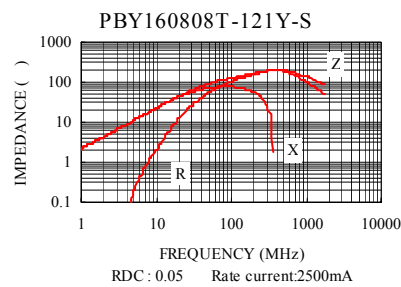
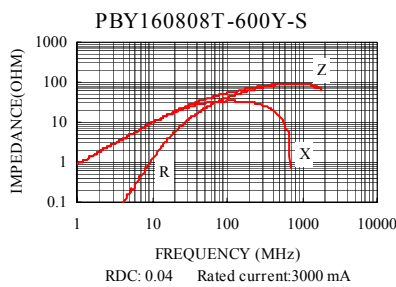
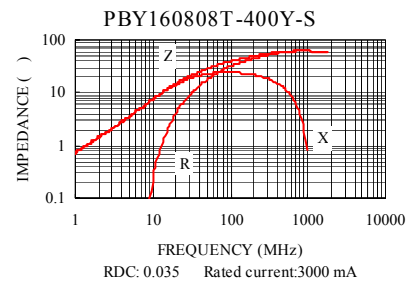
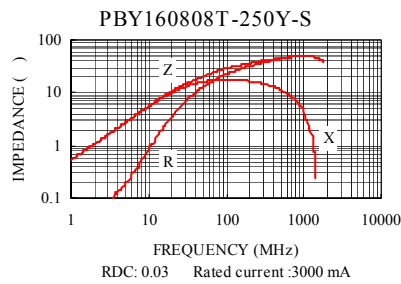
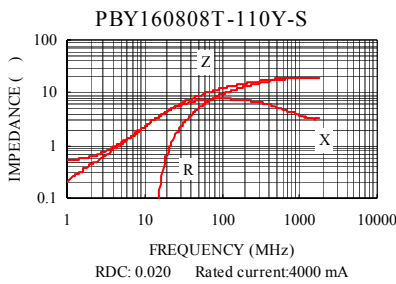
Part Number	Test Frequency (MHz)	Impedance ( $\pm 25\%$ )	D.C. Resistance ( ) max.	Rated current (mA) max.
PBY100505T-100Y-S	100	10	0.03	1000
PBY160808T-110Y-S	100	11	0.02	4000
PBY160808T-250Y-S	100	25	0.03	3000
PBY160808T-400Y-S	100	40	0.035	3000
PBY160808T-600Y-S	100	60	0.04	3000
PBY160808T-121Y-S	100	120	0.08	2500
PBY160808T-301Y-S	100	300	0.10	2000
PBY160808T-501Y-S	100	500	0.15	1500
PBY160808T-601Y-S	100	600	0.20	1000
PBY160808T-102Y-S	100	1000	0.25	800
PBY201209T-110Y-S	100	11	0.01	6000
PBY201209T-170Y-S	100	17	0.02	5000
PBY201209T-300Y-S	100	30	0.02	4000
PBY201209T-500Y-S	100	50	0.025	3000
PBY201209T-600Y-S	100	60	0.03	3000
PBY201209T-800Y-S	100	80	0.04	3000
PBY201209T-121Y-S	100	120	0.04	3000
PBY201209T-201Y-S	100	200	0.05	2500
PBY201209T-301Y-S	100	300	0.08	2000
PBY201209T-601Y-S	100	600	0.10	2000
PBY201209T-102Y-S	100	1000	0.12	1500
PBY321611T-190Y-S	100	19	0.015	6000
PBY321611T-320Y-S	100	32	0.015	4000
PBY321611T-500Y-S	100	50	0.02	4000
PBY321611T-800Y-S	100	80	0.025	3000
PBY321611T-101Y-S	100	100	0.03	2500
PBY321611T-301Y-S	100	300	0.06	2000

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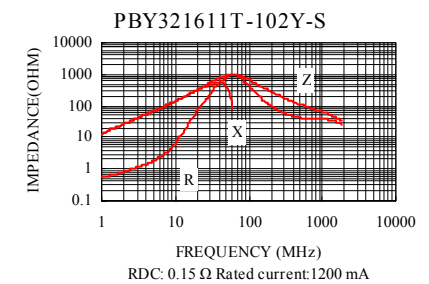
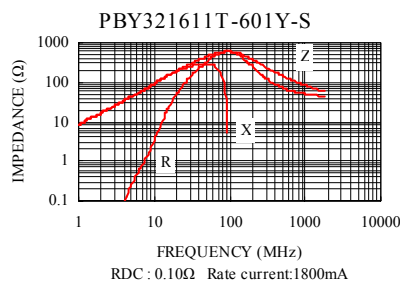
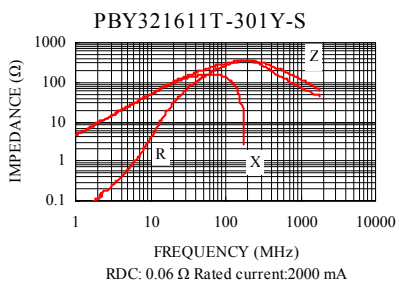
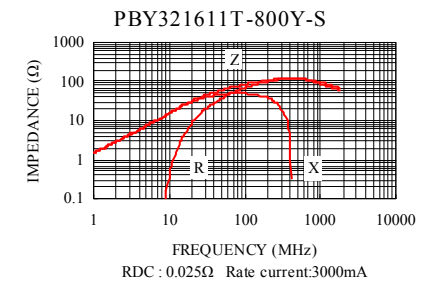
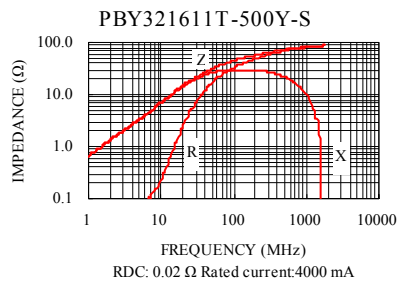
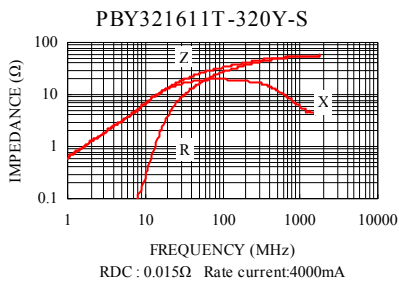
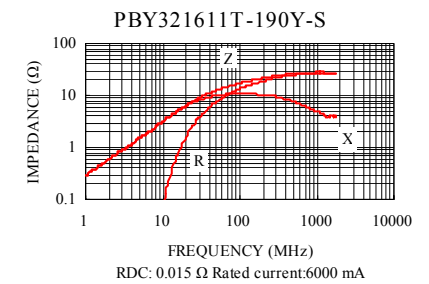
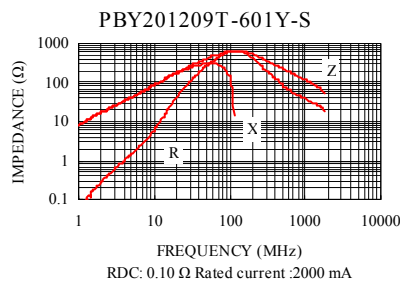
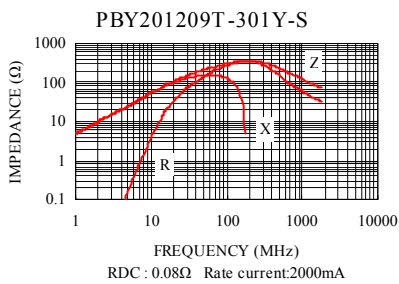
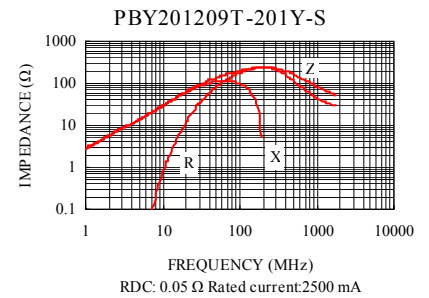
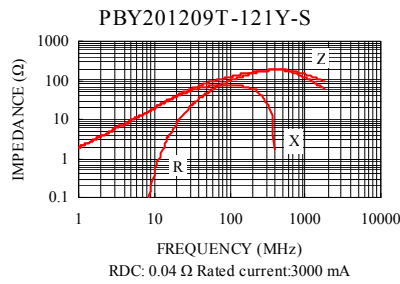
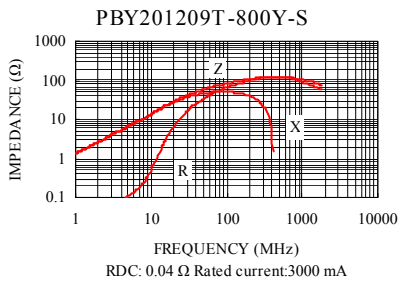
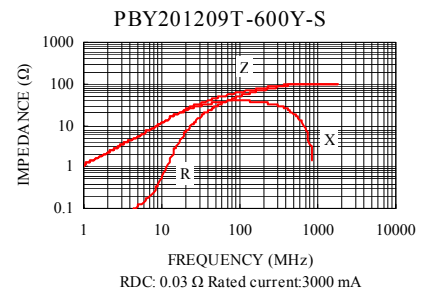
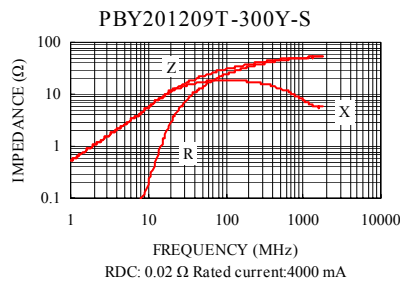
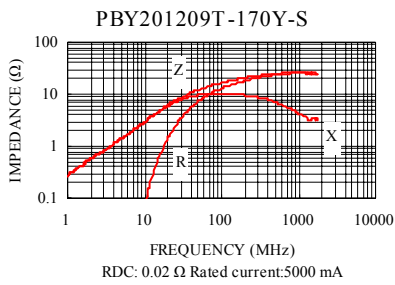
Part Number	Test Frequency (MHz)	Impedance ( ±25%)	D.C. Resistance ( ) max.	Rated current (mA) max.
PBY321611T-601Y-S	100	600	0.10	1800
PBY321611T-102Y-S	50	1000	0.15	1200
PBY321611T-122Y-S	50	1200	0.18	1000
PBY321611T-152Y-S	50	1500	0.20	800
PBY322513T-600Y-S	100	60	0.025	4000
PBY322513T-900Y-S	100	90	0.025	3000
PBY451616T-500Y-S	100	50	0.020	6000
PBY451616T-600Y-S	100	60	0.020	5000
PBY451616T-800Y-S	100	80	0.025	4000
PBY451616T-151Y-S	100	150	0.100	2000
PBY453215T-700Y-S	100	70	0.03	6000
PBY453215T-121Y-S	100	120	0.03	4000

## Test Instruments : HP4291A Impedance / Material Analyzer



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