

MULTILAYER FERRITE CHIP BEADS for General Use



Features

- Standard type used to suppress lower-frequency, lower current signals.
- Impedance over a broad frequency range.
- Suitable for flow and reflow soldering
- Available in 8 sizes.

Applications

- I/O ports, DC power lines, and Signal lines
- computer and peripheral products
- consumer electronic products

Part Numbering

CB	03	Y	T	Y	N	601
①	②	③	④	⑤	⑥	⑦

Product Type

Product Type	
CB	Multilayer Ferrite Chip Beads

Dimensions (LxW)

Codes	Dimensions (LxW)	EIA
12	4.5×3.2×1.5	1812
08	4.5×1.6×1.6	1808
10	3.2×2.5×1.3	1210
06	3.2×1.6×1.6	1206
04	3.2×1.6×1.1	1204
05	2.0×1.2×0.9	0805
03	1.6×0.8×0.8	0603
02	1.0×0.5×0.5	0402

Impedance Tolerance

Codes	Resistance Tolerance
Y	±25 %
M	±20 %

Packaging

Code	Type
T	Taping Reel

Design code

Code	Type
Y	ui:200
Q	Ui:75

Current

Code	Type
H	High Current
N	General current

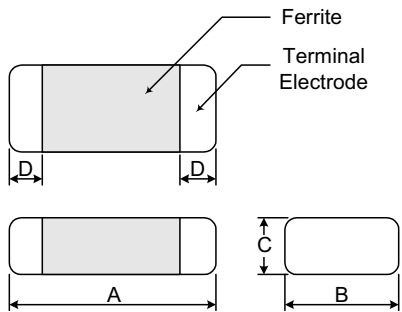
Impedance

Code	Type
090	9Ω
110	11Ω
451	450Ω
152	1500Ω

Dimensions

Unit: mm

TYPE	A	B	C	D
CB02	1.0±0.10	0.50±0.10	0.5±0.10	0.25±0.10
CB03	1.6±0.20	0.80±0.15	0.8±0.15	0.3±0.2
CB05	2.0±0.20	1.25±0.20	0.9±0.20	0.5±0.3
CB04	3.2±0.20	1.60±0.20	1.1±0.20	0.5±0.3
CB06	3.2±0.20	1.60±0.20	1.6±0.20	0.5±0.3
CB10	3.2±0.20	2.50±0.20	1.3±0.20	0.5±0.3
CB08	4.5±0.25	1.60±0.20	1.6±0.20	0.5±0.3
CB12	4.5±0.25	3.20±0.20	1.5±0.20	0.5±0.3



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Standard electrical specifications

Part Number	Test Frequency (MH z)	Impedance ($\Omega \pm 25\%$)	DC Resistance (Ω) max.	Rated current (mA) max.
CB02YTYN0 60	100	6	0.05	500
CB02YTYN1 00	100	10	0.05	500
CB02YTYN4 00	100	40	0.30	300
CB02YTYN8 00	100	80	0.40	200
CB02YTYN1 21	100	120	0.50	200
CB02YTYN2 41	100	240	0.50	200
CB02YTYN4 81	100	480	0.80	100
CB02YTYN6 01	100	600	1.00	100
CB03YTYN1 10	100	11	0.05	500
CB03YTYN1 90	100	19	0.08	500
CB03YTYN3 00	100	30	0.10	400
CB03YTYN4 00	100	40	0.10	400
CB03YTYN6 00	100	60	0.10	300
CB03YTYN8 00	100	80	0.15	300
CB03YTYN1 21	100	120	0.25	300
CB03YTYN2 21	100	220	0.30	200
CB03YTYN3 01	100	300	0.40	200
CB03YTYN4 51	100	450	0.50	200
CB03YTYN6 01	100	600	0.50	200
CB03YTYN7 51	100	750	0.70	200
CB03YTYN1 02	100	1000	0.70	200
CB03YTYN1 52	100	1500	1.00	50
CB03YTYN2 22	100	2200	1.20	50
CB03YTYN2 72	100	2700	1.30	50
CB05YTYN0 70	100	7	0.10	600
CB05YTYN0 90	100	9	0.10	600
CB05YTYN1 10	100	11	0.10	600
CB05YTYN1 70	100	17	0.10	600
CB05YTYN3 20	100	32	0.10	600
CB05YTYN6 00	100	60	0.15	500
CB05YTYN7 00	100	70	0.15	500
CB05YTYN8 00	100	80	0.15	500
CB05YTYN1 21	100	120	0.25	300
CB05YTYN1 51	100	150	0.25	300
CB05YTYN2 21	100	220	0.30	300
CB05YTYN3 01	100	300	0.30	300
CB05YTYN4 01	100	400	0.30	300
CB05YTYN5 01	100	500	0.40	300
CB05YTYN6 01	100	600	0.40	300
CB05YTYN7 51	100	750	0.50	200
CB05YTYN1 02	100	1000	0.50	200
CB05YTYN1 52	100	1500	0.60	200
CB05YTYN2 02	100	2000	0.80	100
CB05YTYN2 22	100	2200	1.00	100
CB05YTYN2 52	100	2500	1.0	100
CB05YTYN2 72	100	2700	1.5	100

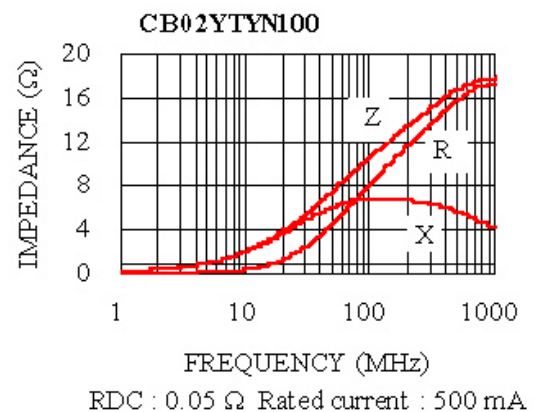
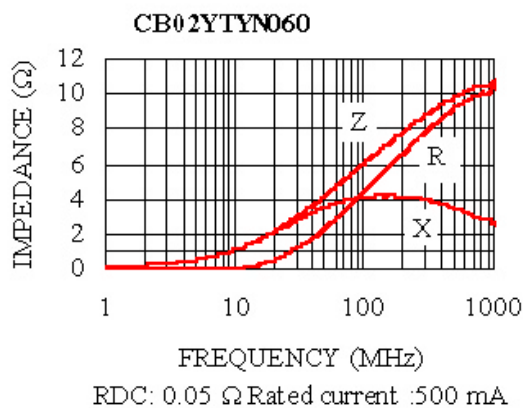
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Standard electrical specifications

Part Number	Test Frequency (MHz)	Impedance ($\Omega \pm 25\%$)	DC Resistance (Ω) max.	Rated current (mA) max.
CB04YTYN1 90	100	19	0.05	600
CB04YTYN2 60	100	26	0.05	600
CB04YTYN3 20	100	32	0.05	600
CB04YTYN5 00	100	50	0.10	500
CB04YTYN6 00	100	60	0.10	500
CB04YTYN7 00	100	70	0.10	500
CB04YTYN9 00	100	90	0.15	500
CB04YTYN1 21	100	120	0.15	500
CB04YTYN1 51	100	150	0.15	500
CB04YTYN2 01	100	200	0.20	400
CB04YTYN4 01	100	400	0.20	400
CB04YTYN5 01	100	500	0.20	400
CB04YTYN6 01	100	600	0.30	400
CB04YTYN1 02	50	1000	0.40	200
CB04YTYN1 22	50	1200	0.40	200
CB04YTYN1 52	50	1500	0.45	200
CB04YTYN2 02	30	2000	0.60	200
CB04YTYN2 72	30	2700	0.60	200
CB06YTYN2 50	100	25	0.10	500
CB06YTYN6 00	100	60	0.20	500
CB06YTYN7 00	100	70	0.20	500
CB10YTYN3 20	100	32	0.20	500
CB10YTYN6 00	100	60	0.20	500
CB10YTYN9 00	100	90	0.20	500
CB08YTYN5 00	100	50	0.20	600
CB08YTYN6 00	100	60	0.20	600
CB08YTYN8 00	100	80	0.20	600
CB08YTYN1 01	100	100	0.30	500
CB08YTYN1 51	100	150	0.30	500
CB08YTYN1 71	100	170	0.30	500
CB12YTYN7 00	100	70	0.30	500
CB12YTYN1 21	100	120	0.30	500

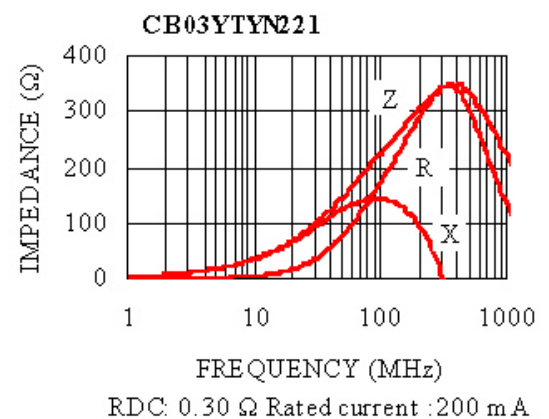
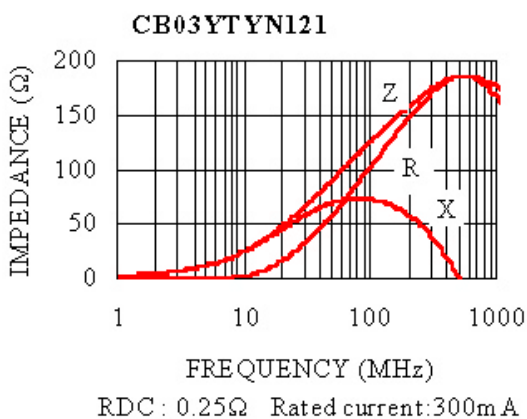
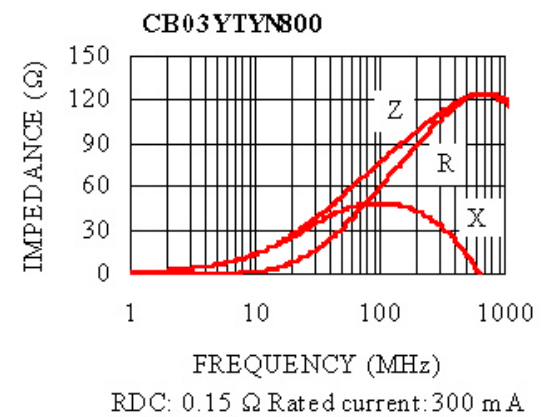
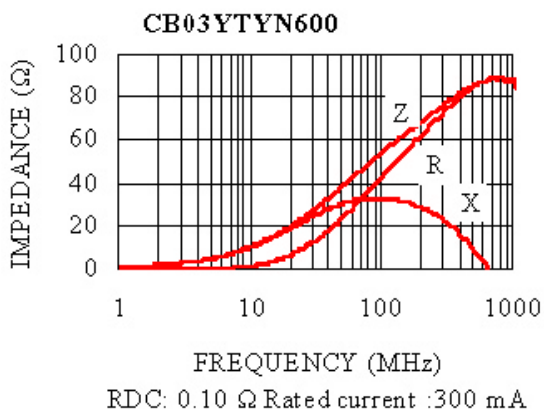
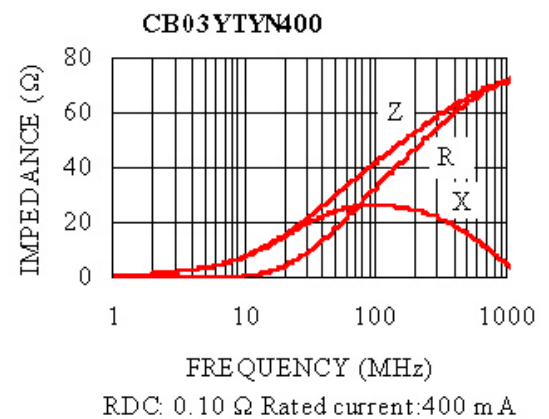
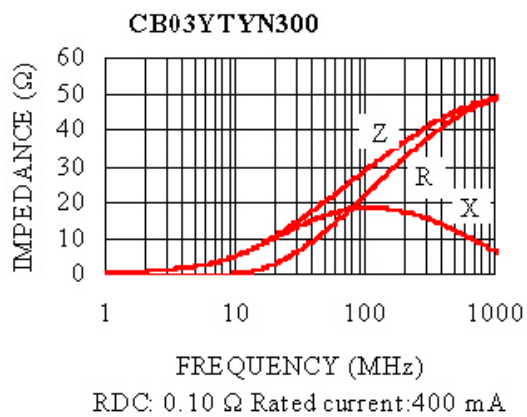
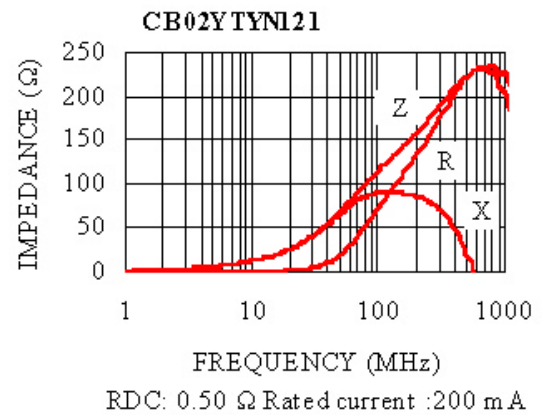
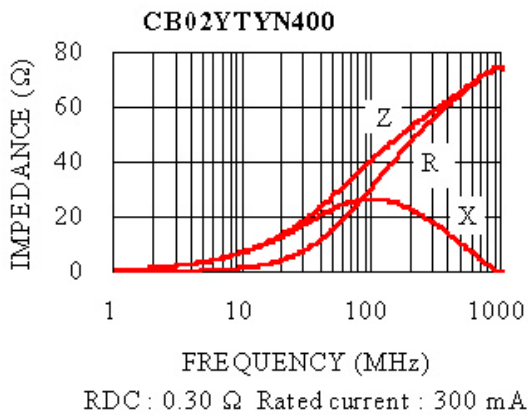
Test Instruments : HP4291A Impedance / Material Analyzer



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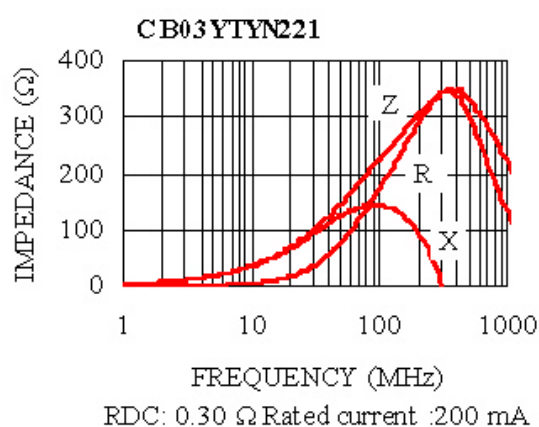
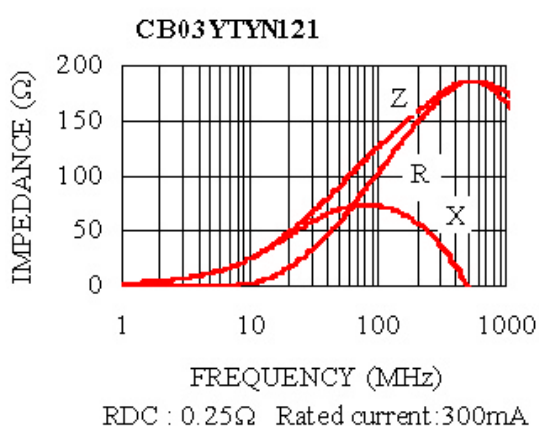
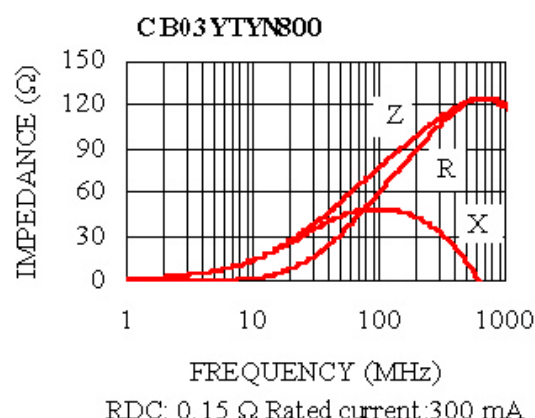
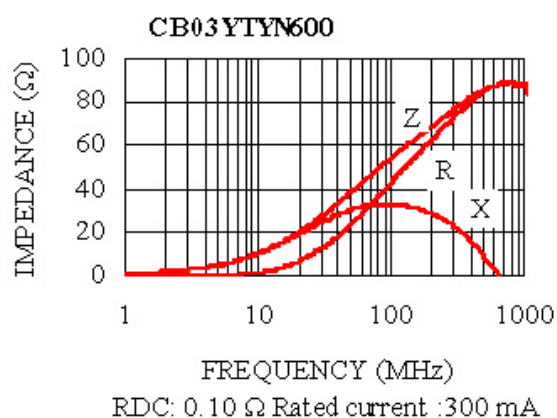
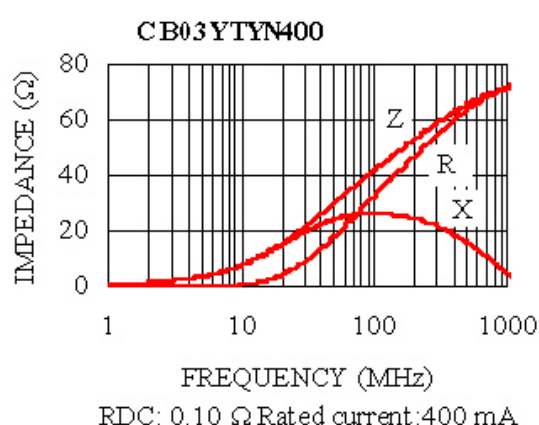
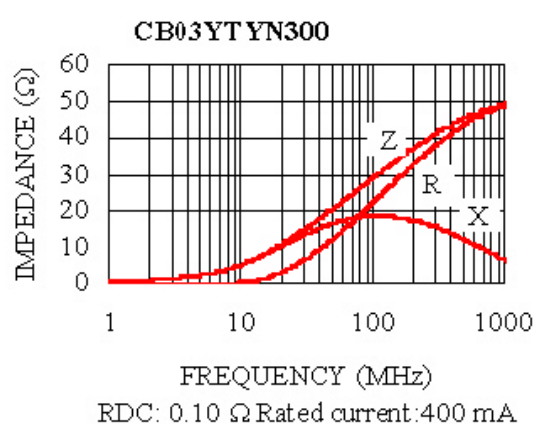
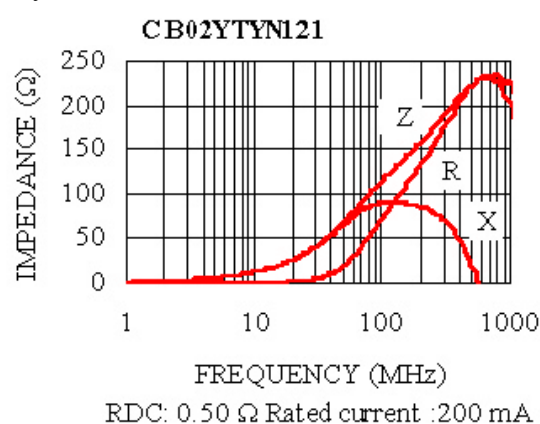
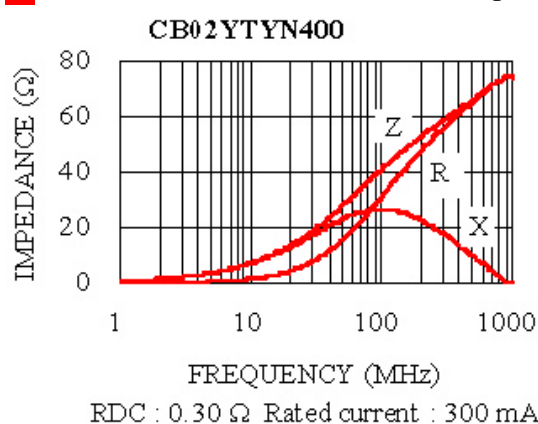
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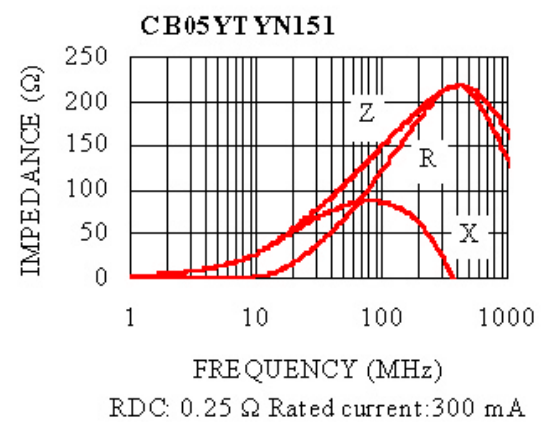
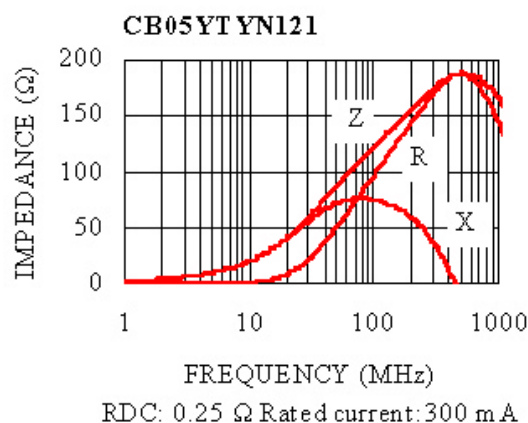
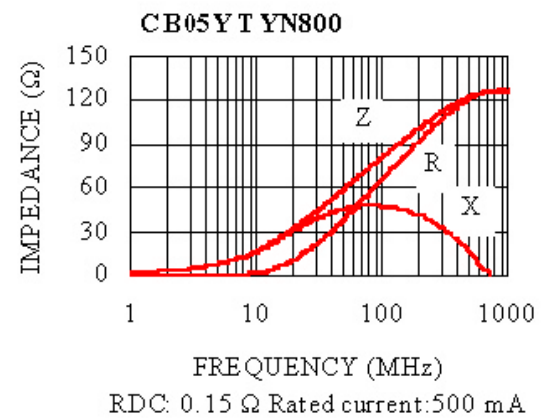
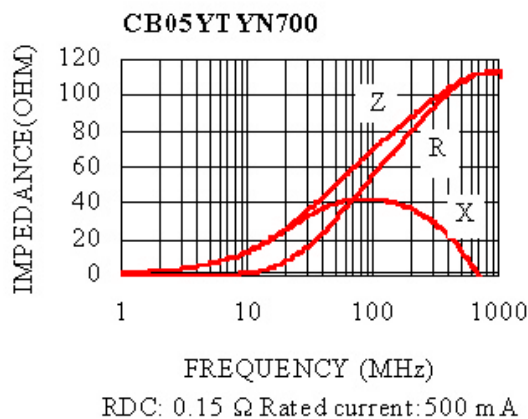
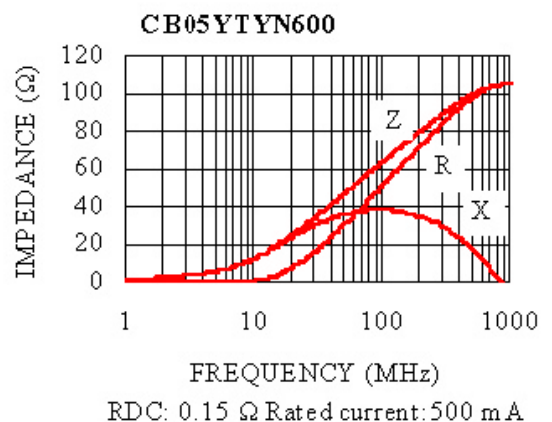
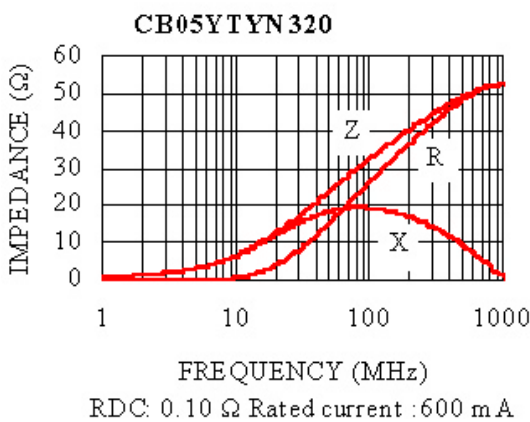
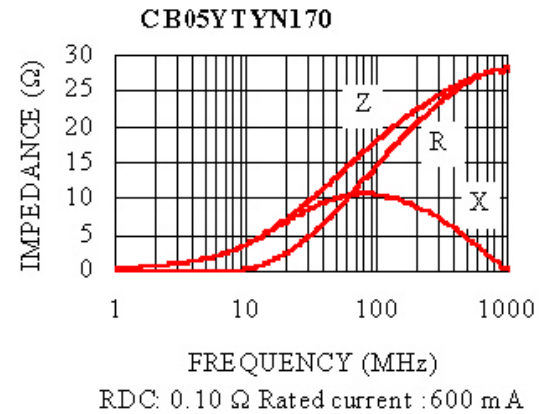
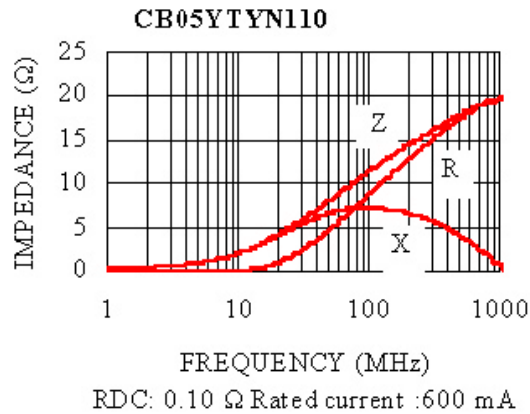
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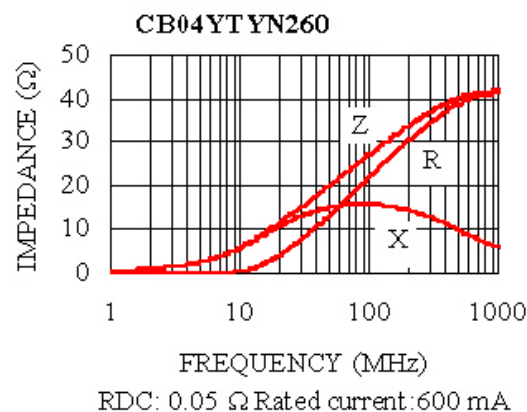
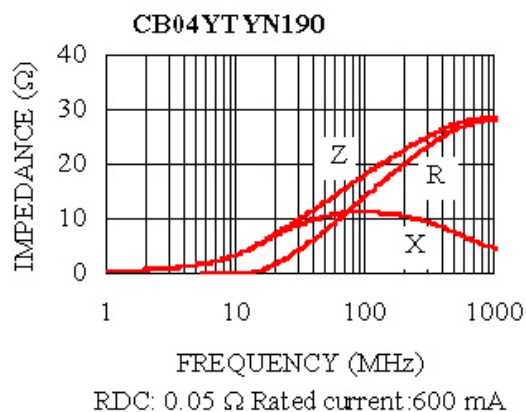
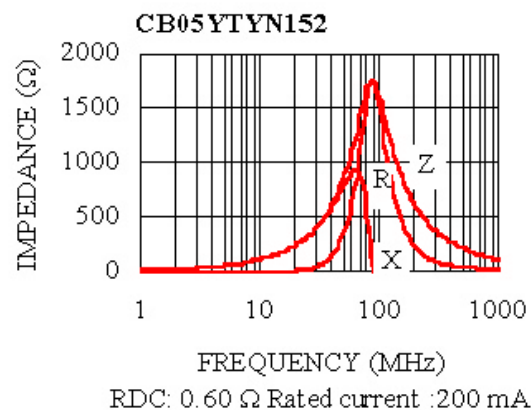
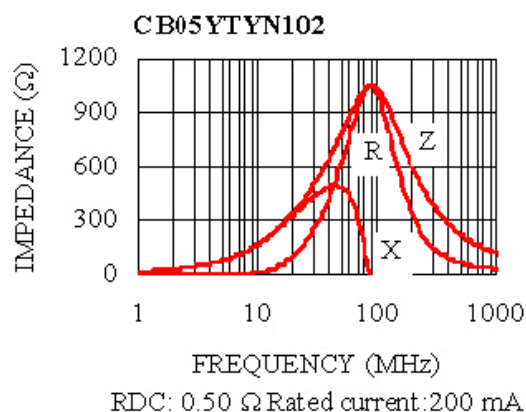
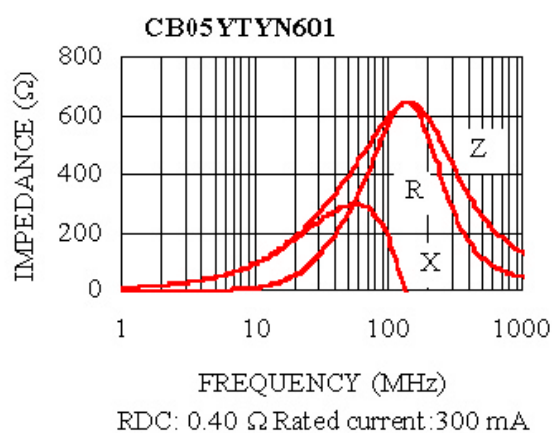
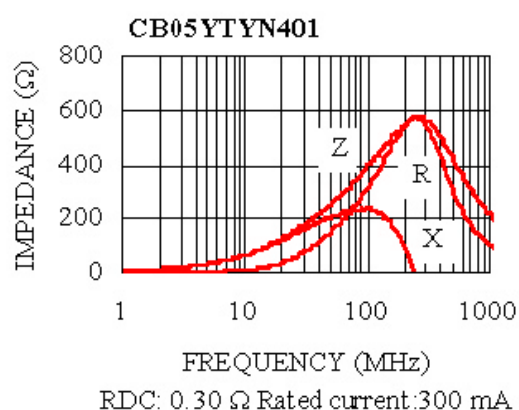
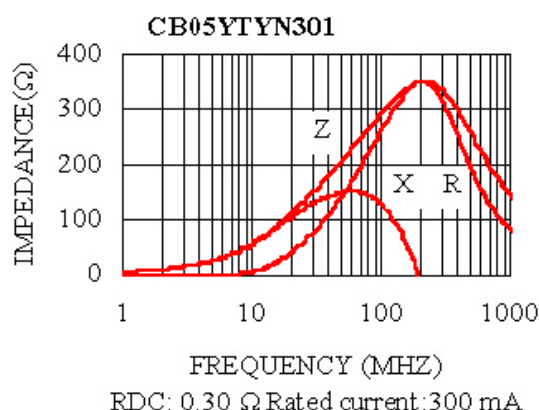
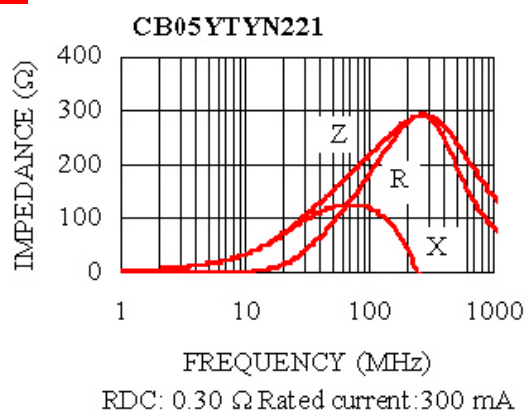
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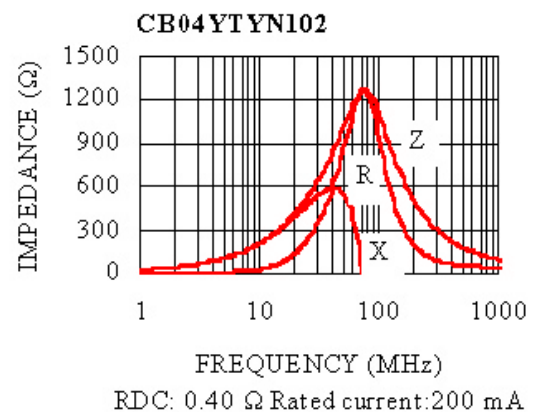
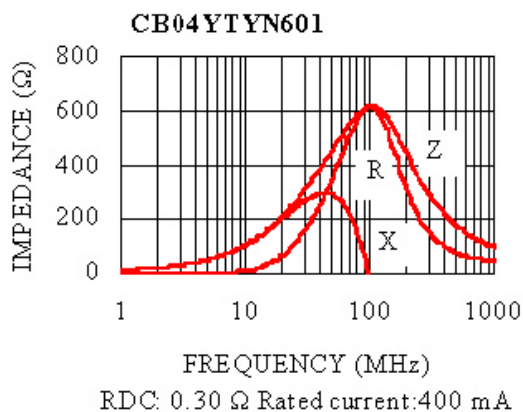
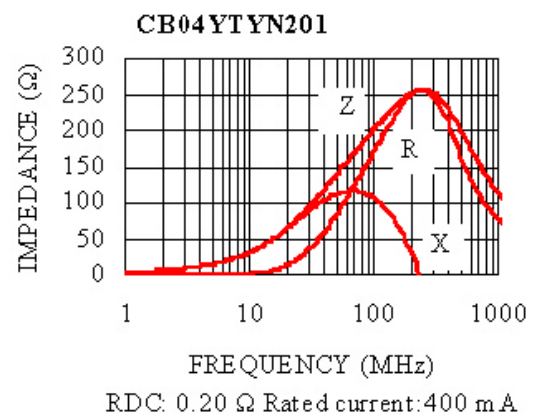
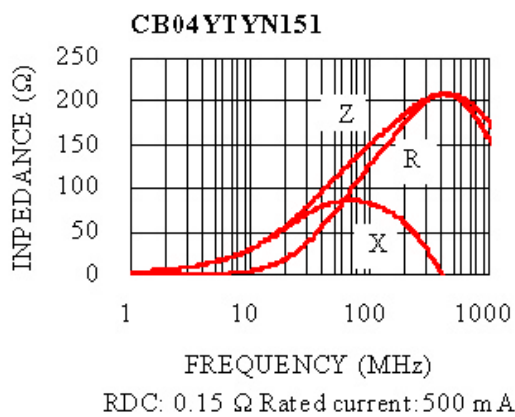
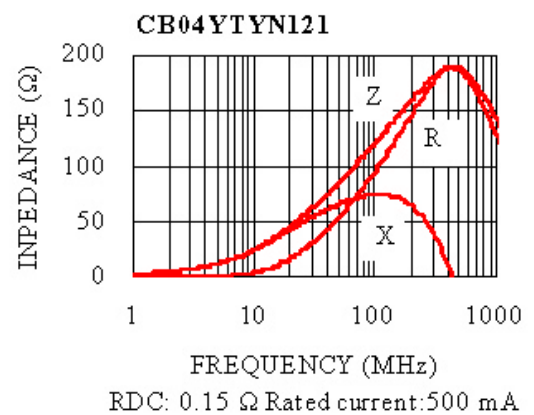
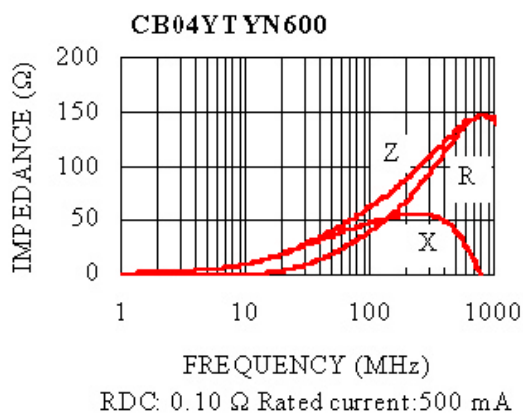
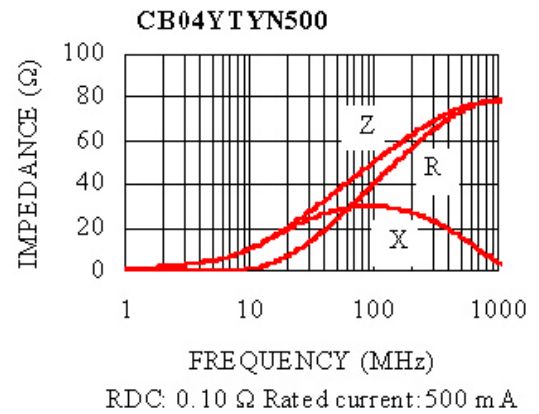
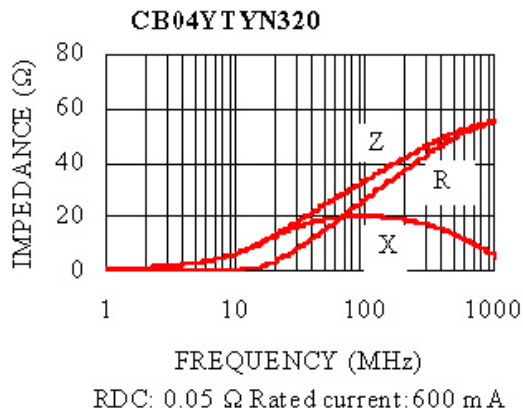
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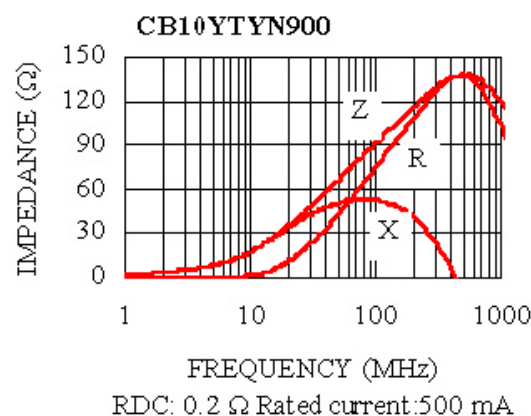
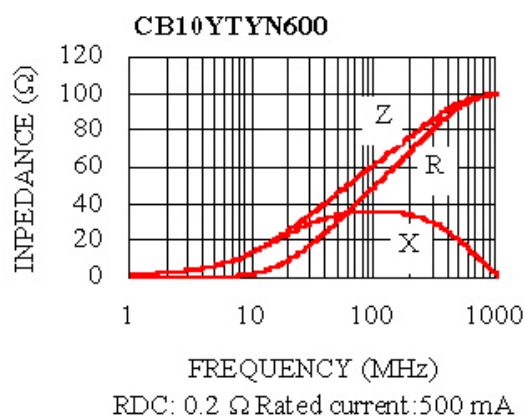
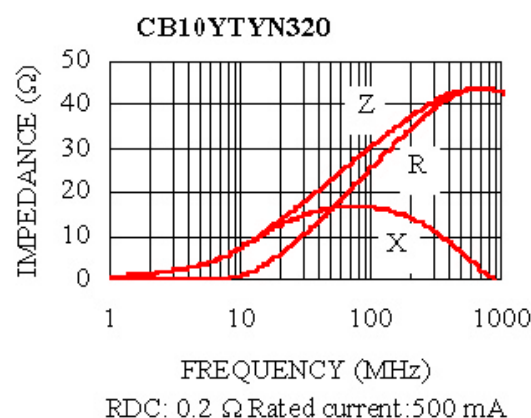
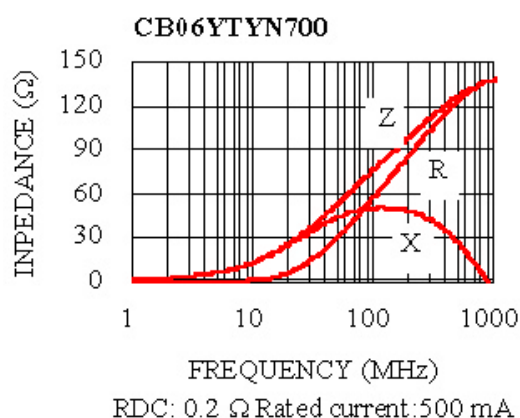
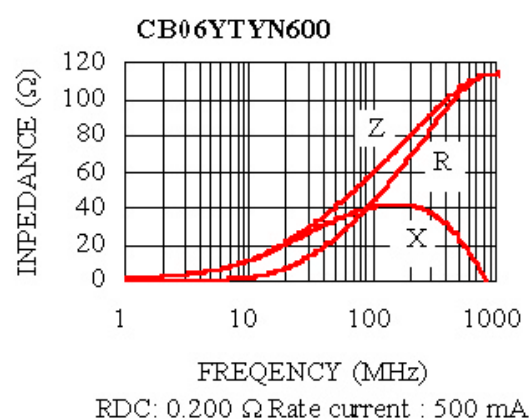
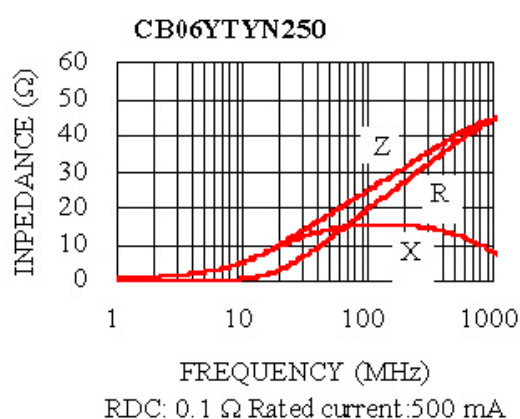
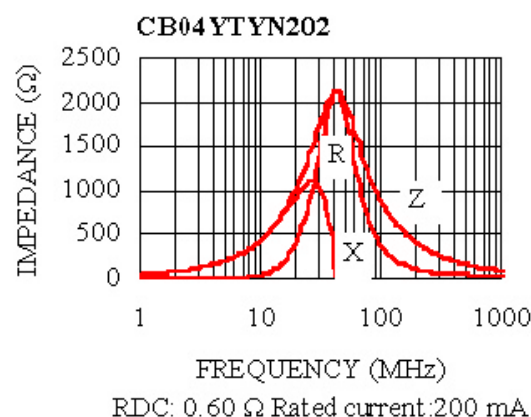
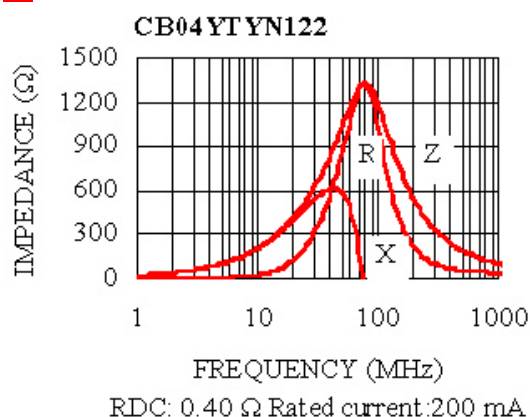
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