

FERROCORE

LARGE CURRENT MULTILAYER CHIP BEADS / LCB TYPE

FEATURES

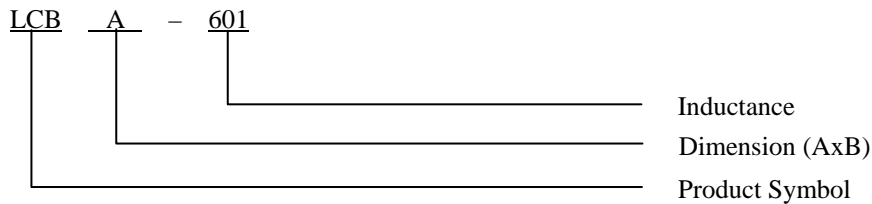
- ◆ Low DCR, small package
- ◆ High current handling capacity
- ◆ Nickel barrier terminations provide excellent solder heat resistance
- ◆ Suitable for flow and reflow soldering and high current applications



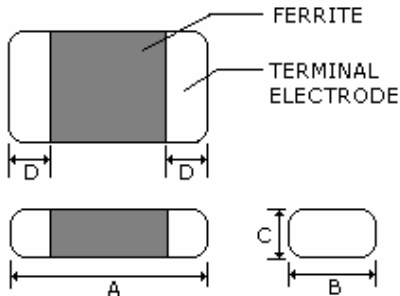
APPLICATIONS

- ◆ Electronic games
- ◆ Personal computers, Hard disk drivers and other electronic equipments

ORDERING CODE



SHAPE



DIMENSIONS UNIT: mm (inch)

Part No.	A	B	C	D	Impedance (Ω) At 100MHz
LCBS	1.0 ± 0.10	0.50 ± 0.10	0.5 ± 0.10	0.25 ± 0.10	10
LCBA	1.6 ± 0.20	0.80 ± 0.15	0.8 ± 0.15	0.30 ± 0.20	11 ~ 1000
LCBB	2.0 ± 0.20	1.25 ± 0.20	0.9 ± 0.20	0.50 ± 0.30	11 ~ 1000
LCBC	3.2 ± 0.20	1.60 ± 0.20	1.1 ± 0.20	0.50 ± 0.30	19 ~ 1500
LCBD	3.2 ± 0.20	2.50 ± 0.20	1.3 ± 0.20	0.50 ± 0.30	60 ~ 90
LCBE	4.5 ± 0.25	1.60 ± 0.20	1.6 ± 0.20	0.50 ± 0.30	50 ~ 150
LCBF	4.5 ± 0.25	3.20 ± 0.20	1.5 ± 0.20	0.50 ± 0.30	70 ~ 120

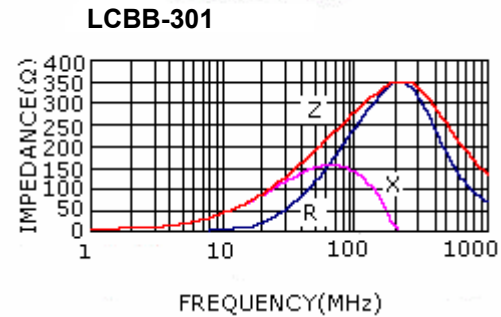
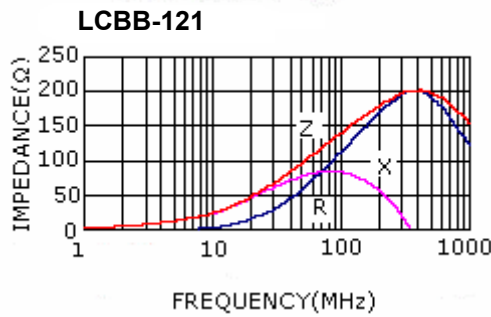
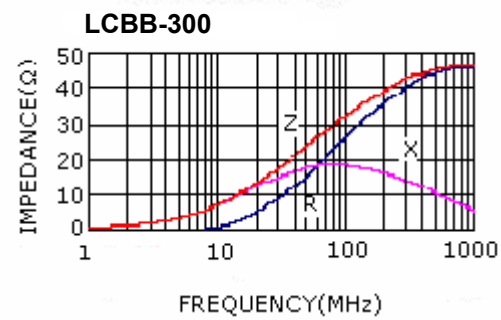
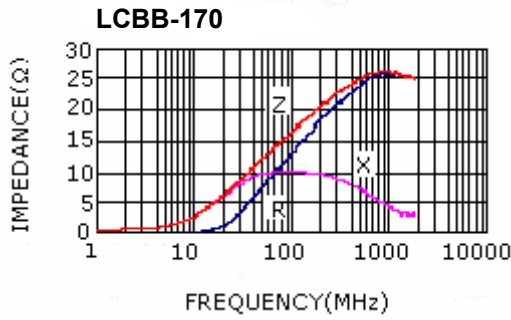
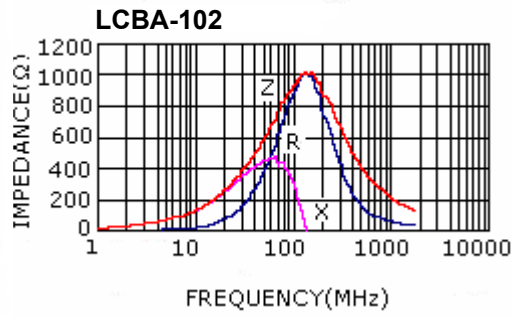
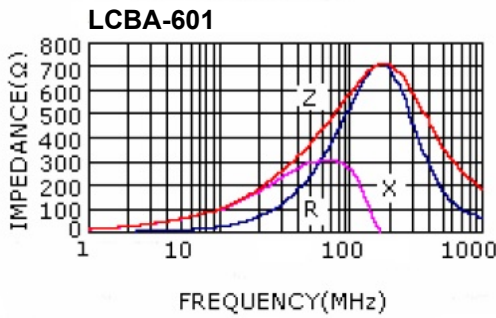
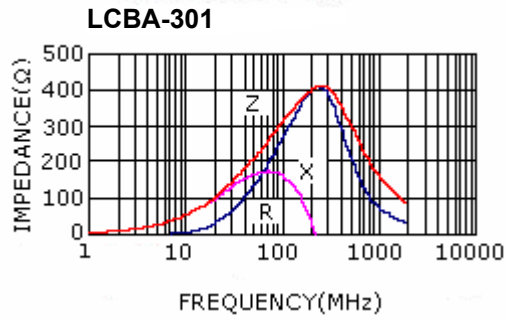
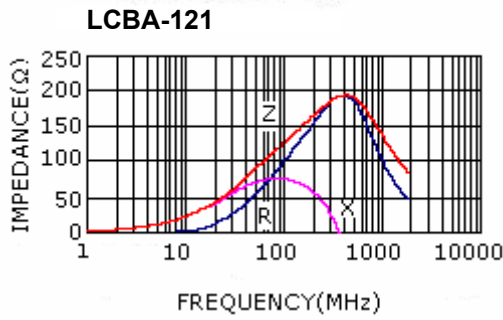
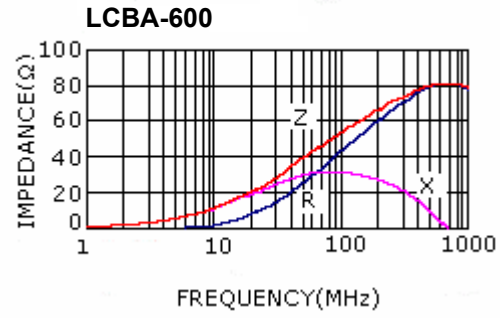
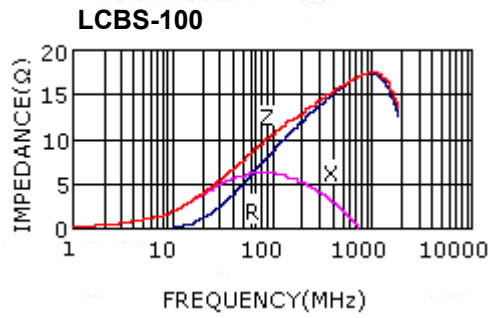
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ELECTRICAL CHARACTERISTICS FOR LARGE CURRENT

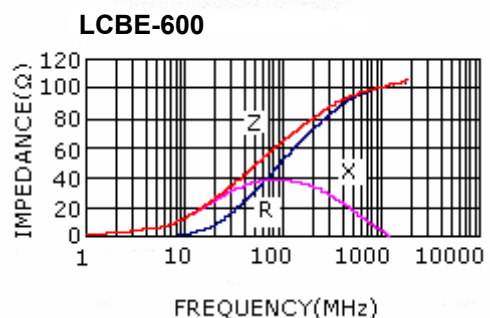
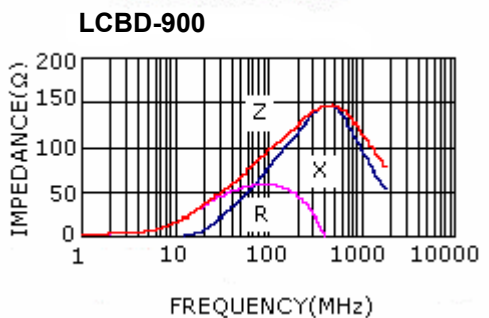
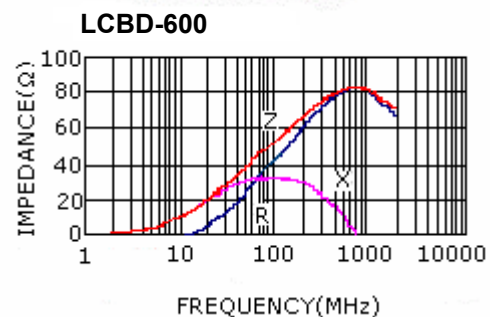
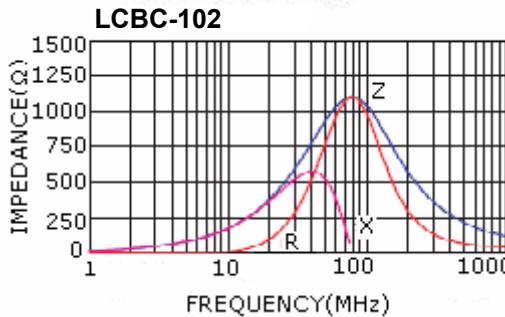
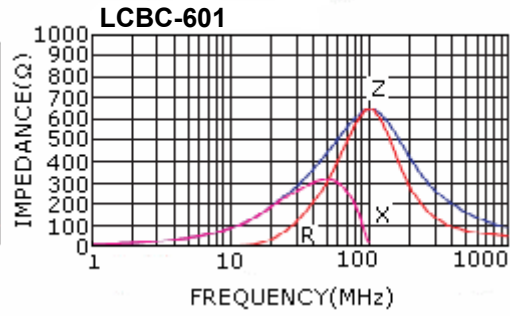
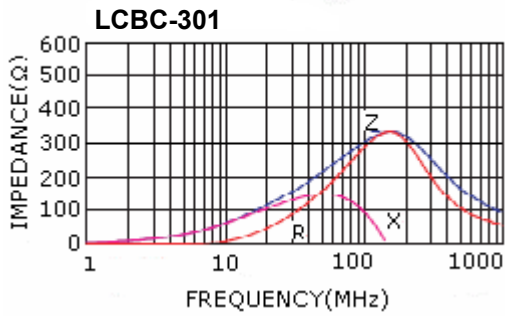
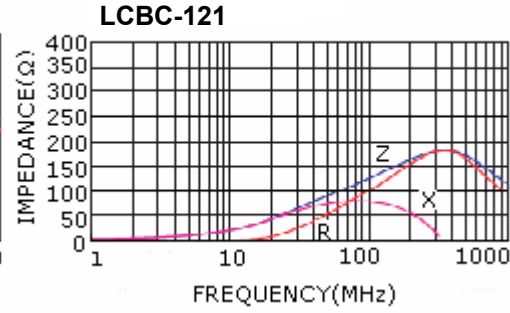
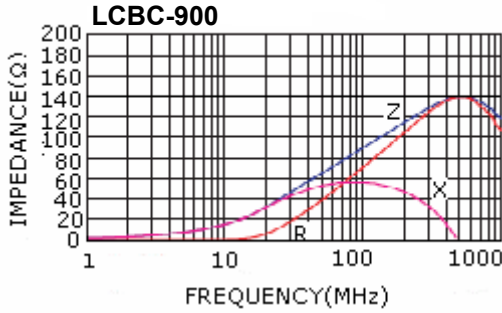
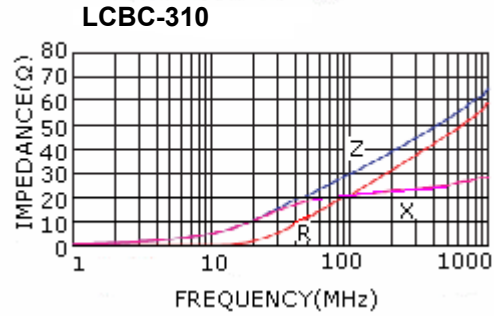
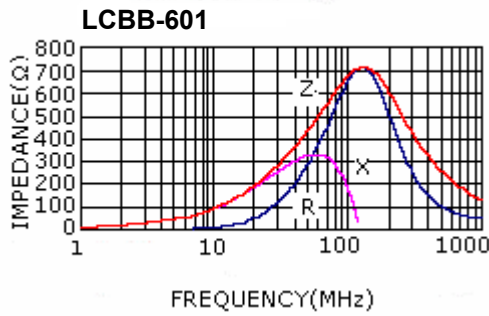
Part No.	Impedance (Ω) AT 100MHz	DC Resistance (Ω) Max	Rated Current (A) Max
LCBS-100	10	0.030	1.0
LCBA-110	11	0.020	4.0
LCBA-250	25	0.030	3.0
LCBA-400	40	0.035	3.0
LCBA-600	60	0.040	3.0
LCBA-121	120	0.080	2.5
LCBA-301	300	0.100	2.0
LCBA-501	500	0.150	1.5
LCBA-601	600	0.200	1.0
LCBA-102	1000	0.250	0.8
LCBB-110	11	0.010	6.0
LCBB-170	17	0.020	5.0
LCBB-300	30	0.020	4.0
LCBB-500	50	0.025	3.0
LCBB-600	60	0.030	3.0
LCBB-800	80	0.040	3.0
LCBB-121	120	0.040	3.0
LCBB-201	200	0.050	2.5
LCBB-301	300	0.080	2.0
LCBB-601	600	0.100	2.0
LCBB-102	1000	0.120	1.5
LCBC-190	19	0.015	6.0
LCBC-320	32	0.015	4.0
LCBC-500	50	0.020	4.0
LCBC-800	80	0.025	3.0
LCBC-101	100	0.030	2.5
LCBC-301	300	0.060	2.0
LCBC-601	600	0.100	1.8
LCBC-102	1000	0.150	1.2
LCBC-122	1200	0.180	1.0
LCBC-152	1500	0.200	0.8
LCBD-600	60	0.025	4.0
LCBD-900	90	0.025	3.0
LCBE-500	50	0.020	6.0
LCBE-600	60	0.020	5.0
LCBE-800	80	0.025	4.0
LCBE-151	150	0.100	2.0
LCBF-700	70	0.030	6.0
LCBF-121	120	0.030	4.0

Tolerance $\pm 25\%$

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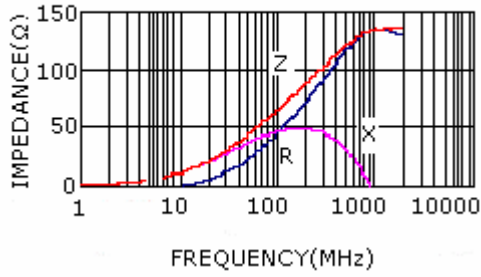


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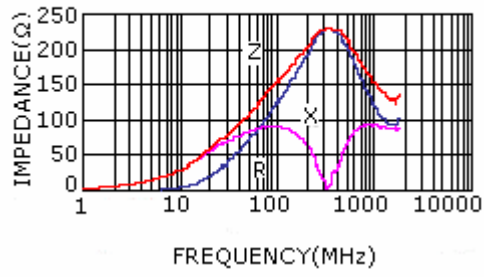


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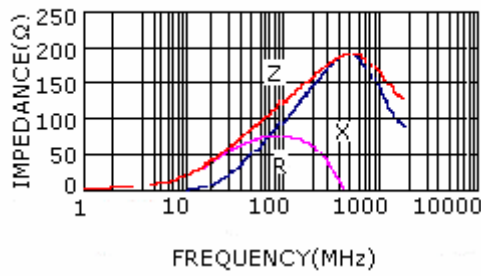
LCBE-800



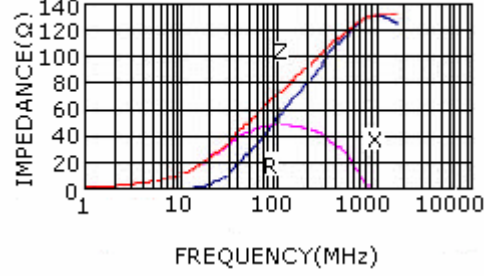
LCBE-151



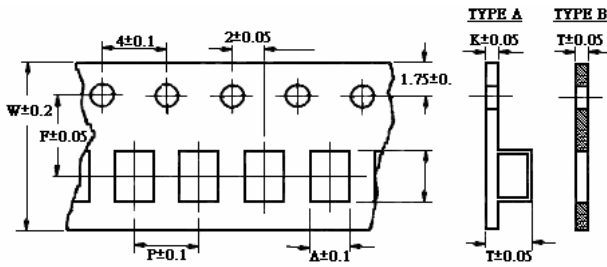
LCBF-121



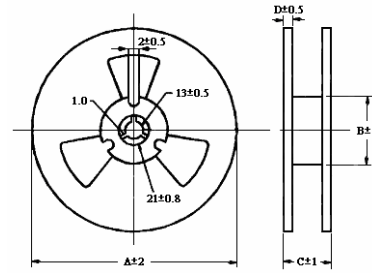
LCBF-700



TAPE DIMENSIONS



REEL DIMENSIONS



Part No.	Tape Dimensions (mm)								Reel Dimensions (mm)				Quantity / Reel
	A	B	T	W	P	F	K	TAPE TYPE	A	B	C	D	
LCBS	0.62	1.15	0.70	8.0	2.0	3.5	--	B	178	60	10	2	10000
LCBA	1.05	1.80	0.95	8.0	4.0	3.5	--	B	178	60	10	2	4000
LCBB	1.42	2.30	1.05	8.0	4.0	3.5	0.2	A	178	60	10	2	4000
LCBC	1.88	3.50	1.27	8.0	4.0	3.5	0.2	A	178	60	10	2	3000
LCBD	2.77	3.42	1.65	8.0	4.0	3.5	0.2	A	178	60	140	2	2500
LCBE	1.88	4.95	1.90	12	4.0	5.5	0.3	A	178	60	14	2	2000
LCBF	3.66	4.95	1.85	12	8.0	5.5	0.3	A	178	60	14	2	1000