

MLB Series

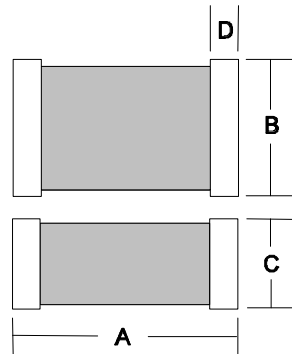
- 3 Component Sizes
- Monolithic Structure
- Low Cost
- Typical Reel Size 4000pcs



The MLB range of surface mount EMI filters from ECM uses alternate layers of conductive paste to generate impedance up to approximately 100MHz. Various values of impedance are available to match the signal frequency, as well as, sharper impedance curves to suit faster signal lines.

The MLB range is available in three component sizes **MLB21/31/41**.

COMPONENT OUTLINE



DIMENSIONS (mm)

TYPE	a	b	c	d
MLB21	2.0	1.25	0.9	0.5
MLB31	3.2	1.6	1.1	0.7
MLB41	4.5	1.6	1.6	0.7

ECM Part	Maximum Signal Freq. (MHz)	Impedance (W) @ Typ. 100MHz	Rated Current (mA)	R_{DC} MAX (W)	Operating Temp. Range (°C)
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MLB21 Series

MLB21P300S	n/a	30	2000	0.025	-55 to +125
MLB21A121F	n/a	120	200	0.15	-55 to +125
MLB21A121S	n/a	120	200	0.40	-55 to +125
MLB21A401S	n/a	400	200	0.85	-55 to +125
MLB21A601F	n/a	600	200	0.30	-55 to +125
MLB21A601S	n/a	600	200	1.10	-55 to +125
MLB21A102F	n/a	1000	200	0.45	-55 to +125
MLB21A102S	n/a	1000	200	0.45	-55 to +125
MLB21B050S	n/a	5*	200	0.07	-55 to +125
MLB21B750S	100	75*	500	0.25	-55 to +85
MLB21B201S	50	200*	200	0.35	-55 to +125
MLB21B421S	20	420*	200	0.30	-55 to +125
MLB21B601S	20	600*	200	0.35	-55 to +125
MLB21B751S	20	750*	200	0.40	-55 to +125
MLB21B102S	10	1000*	200	0.40	-55 to +125
MLB21B222S	5	2250*	200	0.60	-55 to +125
MLB21B272S	5	2700*	200	0.80	-55 to +125

MLB31 Series

MLB31P500S	n/a	50	2000	0.025	-55 to +125
MLB31A260S	n/a	26	500	0.05	-55 to +125
MLB31A700S	n/a	70	200	0.15	-55 to +125
MLB31A601S	n/a	600	200	0.09	-55 to +125
MLB31B601S	n/a	600*	200	0.09	-55 to +125

MLB41 Series

MLB41P600S	n/a	60	4000	0.01	-55 to +125
MLB41P750S	n/a	75	2000	0.025	-55 to +125
MLB41P800S	n/a	80	800	0.10	-55 to +125
MLB41A800S	n/a	80	500	0.10	-55 to +125
MLB41A151S	n/a	150	200	0.50	-55 to +125

* has Sharp Impedance Curve for Fast Signal Line