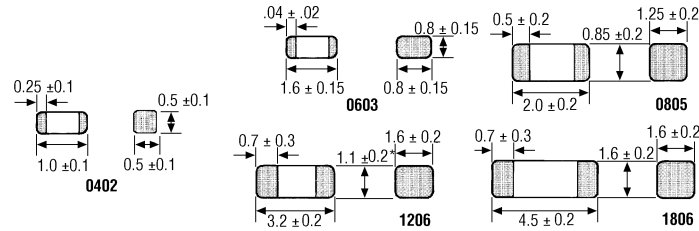


Visit Murata's Website at www.murata.com

Surface-Mount EMI Filters



BLM __ A Series

- Suitable for Flow and Reflow Soldering
- Wide Temperature Range
- High Z Characteristics
- For I/O Ports, DC Power Lines and Signal Lines

The BLM __ A Series ferrite beads provide outstanding electrical characteristics in packages as small as 0402. For noise applications covering a wide frequency range.

Stock No.	Mfr.'s Type	EIA Size	Typ. Imp. @ 100 MHz	DCR Ohms Max.	Current (mA)	EACH		
						1-499	500-4999	5000-10000
711-4106	BLM15AG121PN1D	0402	120	0.500	200	.29	.17	.13
711-4108	BLM15AG601PN1D	0402	600	1.100	50	.29	.17	.13
711-4107	BLM15AG102PN1D	0402	1000	1.500	50	.29	.17	.13
711-4113	BLM18AG121SN1D	0603	120	0.200	200	.14	.07	.06
711-4114	BLM18AG221SN1D	0603	220	0.300	200	.12	.07	.06
711-4115	BLM18AG471SN1D	0603	470	0.500	200	.14	.08	.05
711-4116	BLM18AG601SN1D	0603	600	0.500	200	.13	.07	.06
711-4112	BLM18AG102SN1D	0603	1000	0.700	100	.14	.07	.06
711-4133	BLM21AF121SN1D	0805	120	0.400	200	.13	.07	.06
711-4135	BLM21AG221SN1D	0805	220	0.250	200	.18	.11	.07
711-4136	BLM21AJ401SN1D	8805	400	0.850	200	.09	.06	.05
711-4137	BLM21AG601SN1D	0805	600	0.300	200	.18	.11	.08
711-4138	BLM21AJ601SN1D	0805	600	1.100	200	.23	.11	.10
711-4132	BLM21AG102SN1D	0805	1000	0.450	200	.22	.13	.09
711-4152	BLM31AF700SN1L*	1206	70	0.150	200	.35	.17	.14
711-4151	BLM31AJ601SN1L	1206	600	0.900	200	.22	.18	.15
711-4159	BLM41AF800SN1L	1806	80	0.100	500	.43	.34	.26

*1.6 ± 0.3.

BLM __ B Series

- Designed to Reduce Noise Above Operating Frequencies
- High Impedance Characteristics
- Suitable for Flow and Reflow Soldering
- For Computers and Peripheral Equipment
- For Consumer Products
- For High Speed Circuits
- Suitable for Circuits with Unstable Ground

The BLM __ B Series ferrite beads were developed to pass signal frequencies from 10 MHz to 100 MHz while exhibiting high impedance characteristics to reduce EMI noise above these specific frequencies.

711-4110	BLM15BB121PN1D	0402	120	1.100	50	.29	.17	.13
711-4111	BLM15BD601PN1D	0402	600	1.500	50	.29	.17	.13
711-4109	BLM15BD102PN1D	0402	1000	1.400	50	.29	.17	.13
711-4123	BLM18BB750SN1D	0603	75	0.350	200	.13	.07	.06
711-4118	BLM18BD121SN1D	0603	120	0.400	200	.14	.08	.05
711-4119	BLM18BB141SN1D	0603	140	0.550	200	.13	.07	.06
711-4120	BLM18BD421SN1D	0603	420	0.550	200	.19	.09	.06
711-4121	BLM18BD471SN1D	0603	470	0.550	200	.14	.08	.05
711-4122	BLM18BD601SN1DT	0603	600	0.650	200	.12	.06	.05
711-4117	BLM18BD102SN1D	0603	1000	0.850	100	.14	.08	.05
711-4141	BLM21BB121SN1D	0805	120	0.250	200	.18	.11	.07
711-4143	BLM21BB201SN1D	0805	200	0.350	200	.12	.08	.06
711-4144	BLM21BD221SN1D	0805	220	0.250	200	.18	.11	.07
711-4146	BLM21BD601SN1D	0805	600	0.350	200	.18	.08	.06
711-4147	BLM21BD751CN1D	0805	750	0.400	200	.19	.08	.07
711-4140	BLM21BD102SN1D	0805	1000	0.400	200	.15	.10	.07
711-4145	BLM21BD222SN1L	0805	2200	0.600	200	.16	.09	.08
711-4153	BLM31BE601SN1L	1206	600	0.900	200	.21	.15	.14

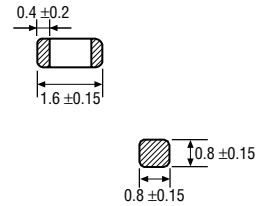
BLM __ P Series

- Suitable High Frequency Noise Suppression Over Wide Frequency Range
- Current Rating Up to 6 Amps
- Small Package Size — EIA STD 0603/0805/1206 and 1806
- Nickel Barrier Terminations Provide Excellent Solder Heat Resistance
- Low DCR
- For High Current DC Power Lines
- For Circuits Where a Stable Ground Is Unavailable

The BLM __ P Series ferrite beads offer high frequency noise suppression with the capability of handling large currents for DC power line applications.

711-4130	BLM18PG300SN1D	0603	30	0.060	1000	.14	.08	.05
711-4131	BLM18PG600SN1D	0603	60	0.100	500	.12	.07	.06
711-4149	BLM18PG300SN1D	0805	30	0.025	3000	.20	.10	.07
711-4148	BLM21PG221SN1D	0805	220	0.025	2000	.19	.12	.08
711-4155	BLM31PG500SN1L	1206	50	0.025	3000	.26	.14	.12
711-4154	BLM31PG391SN1L	1206	390	0.050	2000	.38	.23	.16
711-4156	BLM31PG601SN1L	1206	600	0.090	1500	.38	.23	.16
711-4162	BLM41PG600SN1L	1806	60	0.010	6000	.48	.23	.21
711-4163	BLM41PG750SN1L	1806	75	0.025	3000	.67	.35	.28
711-4164	BLM41PF800SN1L	1806	80	0.100	1000	.49	.32	.31
711-4160	BLM41PG102SN1L	1806	1000	0.090	1500	.50	.30	.22

BLM __ HG/BLM __ HD Chip Ferrite Beads



Features

- High Impedance in the GHz Range
- Small Size
- Suitable for Circuits with Unstable Ground

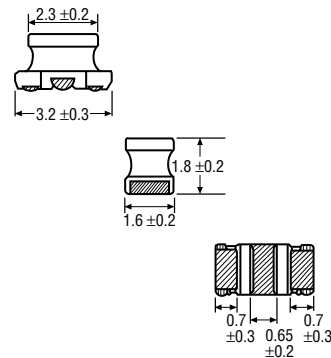
Applications

- I/O Ports (BLM18HG)
- Signal Lines (BLM18HG)
- Computers and Peripheral Equipment (BLM18HD)
- High Speed Circuits (BLM18HD)

Stock No.	Mfr.'s Type	EIA Size	Typical Impedance (Ω)		DCR Max. (Ω)	Rated Current (mA)	EACH*
			@ 100 MHz	@ 1 GHz			
711-4125	BLM18HG471SN1D	0603	470	600	0.85	200	.33
711-4126	BLM18HG601SN1D	0603	600	700	1.00	200	.30
711-4124	BLM18HG102SN1D	0603	1000	1000	1.60	100	.35
711-4128	BLM18HD601SN1D	0603	600	1200	1.50	100	.37
711-4127	BLM18HD102SN1D	0603	1000	1700	1.85	50	.29

*Sold only in multiples of 100.

NFW31S Chip Filters



Applications

- Noise Suppression for Compact Digital Instruments, Laptop, Personal Computers, HDTV, EDTV, Portable VTR, etc.
- Rated Voltage: 25 VDC
- Rated Current: 200 mA

The NFW31S Series chip is an efficient signal line noise suppression filter for high-speed digital signal lines where baseband frequencies and noise band frequencies are very close.

Stock No.	Mfr.'s Type	Cut-Off Frequency (MHz)	Minimum Attenuation (dB Min.)							EACH*
			10 MHz	20 MHz	50 MHz	100 MHz	200 MHz	500 MHz	1 GHz	
711-4265	NFW31SP106X1E4L	10	6†	5	25	25	25	30	30	.95
711-4266	NFW31SP206X1E4L	20	6†	5	25	25	25	30	30	.45
711-4268	NFW31SP107X1E4L	100	—	—	—	6†	5	20	30	.33

*Sold only in multiples of 100. †dB max.