

MURATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads



This product is RoHS compliant.

The chip ferrite beads BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequency mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

BLM_A SERIES

BLM_A series generates an impedance from the relatively low frequencies. Therefore, BLM_A series is effective in noise suppression in a wide frequency range.

Features:

- Suitable for flow and reflow soldering
- Wide temperature range; -55°C to +125°C
- High Z characteristics

Applications:

- I/O ports, DC power lines, and signal lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Category	Price Each			
							1	100	500	1000
81-BLM18AG121SH1D	BLM18AG121SH1D	0603	120	200	0.20	Automotive	.14	.13	.12	.11
81-BLM18AG151SH1D	BLM18AG151SH1D	0603	150	200	0.25	Automotive	.14	.12	.11	.10
81-BLM18AG221SH1D	BLM18AG221SH1D	0603	220	200	0.30	Automotive	.14	.12	.11	.10
81-BLM18AG331SH1D	BLM18AG331SH1D	0603	330	200	0.45	Automotive	.14	.12	.11	.10
81-BLM18AG471SH1D	BLM18AG471SH1D	0603	470	200	0.50	Automotive	.14	.12	.11	.10
81-BLM18AG601SH1D	BLM18AG601SH1D	0603	600	200	0.50	Automotive	.14	.12	.11	.10
81-BLM18AG102SH1D	BLM18AG102SH1D	0603	1000	100	0.70	Automotive	.14	.12	.11	.10
81-BLM21AF121SH1D	BLM21AF121SH1D	0805	120	200	0.15	Automotive	.14	.12	.11	.10
81-BLM21AG121SH1D	BLM21AG121SH1D	0805	120	200	0.15	Automotive	.14	.12	.11	.10
81-BLM21A121S	BLM21A121SN1D	0805	120	200	0.15	Standard	.08	.05	.044	.037
81-BLM21AG151SH1D	BLM21AG151SH1D	0805	150	200	0.15	Automotive	.14	.12	.11	.10
81-BLM21AG221SH1D	BLM21AG221SH1D	0805	220	200	0.20	Automotive	.14	.12	.11	.10
81-BLM21AG331SH1D	BLM21AG331SH1D	0805	330	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21AJ401SH1D	BLM21AJ401SH1D	0805	400	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21AG471SH1D	BLM21AG471SH1D	0805	470	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21AG601SH1D	BLM21AG601SH1D	0805	600	200	0.30	Automotive	.11	.06	.05	.045
81-BLM21AJ601SH1D	BLM21AJ601SH1D	0805	600	200	0.30	Automotive	.11	.06	.05	.045
81-BLM21A601S	BLM21A601SN1D	0805	600	200	0.30	Standard	.08	.05	.044	.037
81-BLM21AG102SH1D	BLM21AG102SH1D	0805	1000	200	0.45	Automotive	.12	.07	.06	.05
81-BLM21AH102SH1D	BLM21AH102SH1D	0805	1000	200	0.45	Automotive	.12	.07	.06	.057
81-BLM21A102S	BLM21A102SN1D	0805	1000	200	0.45	Standard	.09	.055	.049	.041
81-BLM31AJ260SH1L	BLM31AJ260SH1L	1206	26	500	0.05	Automotive	.18	.15	.10	.09
81-BLM31A260S	BLM31A260SN1L	1206	26	500	0.05	Standard	.18	.11	.097	.081
81-BLM31AF700SH1L	BLM31AF700SH1L	1206	70	200	0.15	Automotive	.19	.10	.09	.085
81-BLM31A700S	BLM31A700SN1L	1206	70	200	0.15	Standard	.19	.11	.099	.082
81-BLM31AJ601SH1L	BLM31AJ601SH1L	1206	600	200	0.90	Automotive	.25	.20	.14	.12
81-BLM31A601S	BLM31AJ601SN1L	1206	600	200	0.90	Standard	.25	.15	.133	.111
81-BLM41AF800SH1L	BLM41AF800SH1L	1806	80	500	0.10	Automotive	.25	.14	.13	.12
81-BLM41A800S	BLM41AF800SN1L	1806	80	500	0.10	Standard	.26	.154	.136	.114
81-BLM41AF151SH1L	BLM41AF151SH1L	1806	150	200	0.50	Automotive	.27	.15	.14	.13
81-BLM41A151S	BLM41AF151SN1L	1806	150	200	0.50	Standard	.28	.165	.147	.122

BLM_B SERIES DESIGNED FOR HIGH SPEED SIGNALS

BLM_B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics.

Features:

- Suitable for flow and reflow soldering
- Operating temperature: -55°C to +125°C
- High impedance characteristics

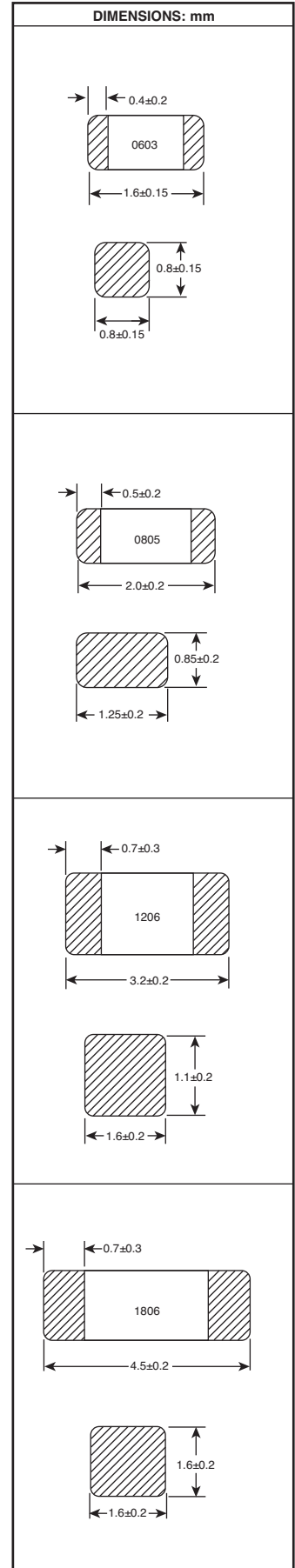
- Designed to reduce noise above operating frequencies from 10 to 100MHz

Applications:

- Computers and peripheral equipment
- Consumer products
- High speed circuits

For quantities greater than listed, call for quote.

81-BLM18BA050SH1D	BLM18BA050SH1D	0603	5	500	0.20	Automotive	.14	.12	.11	.10
81-BLM18BB050SH1D	BLM18BB050SH1D	0603	5	700	0.10	Automotive	.14	.12	.11	.10
81-BLM18BA100SH1D	BLM18BA100SH1D	0603	10	500	0.20	Automotive	.14	.12	.11	.10
81-BLM18BB100SH1D	BLM18BB100SH1D	0603	10	500	0.15	Automotive	.14	.12	.11	.10
81-BLM18BA220SH1D	BLM18BA220SH1D	0603	22	500	0.35	Automotive	.14	.12	.11	.10
81-BLM18BB220SH1D	BLM18BB220SH1D	0603	22	500	0.25	Automotive	.14	.12	.11	.10
81-BLM18BA470SH1D	BLM18BA470SH1D	0603	47	300	0.55	Automotive	.14	.12	.11	.10
81-BLM18BB470SH1D	BLM18BB470SH1D	0603	47	500	0.30	Automotive	.14	.12	.11	.10
81-BLM18BB600SH1D	BLM18BB600SH1D	0603	60	200	0.35	Automotive	.14	.12	.11	.10
81-BLM18BB750SH1D	BLM18BB750SH1D	0603	75	200	0.35	Automotive	.14	.12	.11	.10
81-BLM18BA750SH1D	BLM18BA750SH1D	0603	75	300	0.70	Automotive	.14	.12	.11	.10
81-BLM18BA121SH1D	BLM18BA121SH1D	0603	120	200	0.90	Automotive	.14	.12	.11	.10
81-BLM18BB121SH1D	BLM18BB121SH1D	0603	120	200	0.50	Automotive	.14	.12	.11	.10
81-BLM18BD121SH1D	BLM18BD121SH1D	0603	120	200	0.40	Automotive	.14	.12	.11	.10
81-BLM18BB141SH1D	BLM18BB141SH1D	0603	140	200	0.55	Automotive	.14	.12	.11	.10
81-BLM18BB151SH1D	BLM18BB151SH1D	0603	150	200	0.55	Automotive	.14	.12	.11	.10
81-BLM18BD151SH1D	BLM18BD151SH1D	0603	150	200	0.40	Automotive	.14	.12	.11	.10
81-BLM18BB221SH1D	BLM18BB221SH1D	0603	220	200	0.65	Automotive	.14	.12	.11	.10
81-BLM18BD221SH1D	BLM18BD221SH1D	0603	220	200	0.45	Automotive	.14	.12	.11	.10
81-BLM18BB331SH1D	BLM18BB331SH1D	0603	330	200	0.75	Automotive	.14	.12	.11	.10
81-BLM18BD331SH1D	BLM18BD331SH1D	0603	330	200	0.50	Automotive	.14	.12	.11	.10
81-BLM18BD421SH1D	BLM18BD421SH1D	0603	420	200	0.55	Automotive	.14	.12	.11	.10
81-BLM18BB471SH1D	BLM18BB471SH1D	0603	470	50	1.00	Automotive	.14	.12	.11	.10
81-BLM18BD471SH1D	BLM18BD471SH1D	0603	470	200	0.55	Automotive	.14	.12	.11	.10
81-BLM18BD601SH1D	BLM18BD601SH1D	0603	600	200	0.65	Automotive	.14	.12	.11	.10
81-BLM18BD102SH1D	BLM18BD102SH1D	0603	1000	100	0.85	Automotive	.14	.12	.11	.10
81-BLM18BD152SH1D	BLM18BD152SH1D	0603	1500	50	1.20	Automotive	.14	.12	.11	.10
81-BLM18BD182SH1D	BLM18BD182SH1D	0603	1800	50	1.50	Automotive	.14	.12	.11	.10
81-BLM18BD222SH1D	BLM18BD222SH1D	0603	2200	50	1.50	Automotive	.14	.12	.11	.10
81-BLM18BD252SH1D	BLM18BD252SH1D	0603	2500	50	1.50	Automotive	.14	.12	.11	.10
81-BLM21BB050SH1D	BLM21BB050SH1D	0805	5	500	0.07	Automotive	.11	.06	.055	.05
81-BLM21BB600SH1D	BLM21BB600SH1D	0805	60	200	0.20	Automotive	.14	.12	.11	.10
81-BLM21BB750SH1D	BLM21BB750SH1D	0805	75	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21BB121SH1D	BLM21BB121SH1D	0805	120	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21BD121SH1D	BLM21BD121SH1D	0805	120	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21BB151SH1D	BLM21BB151SH1D	0805	150	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21BD151SH1D	BLM21BD151SH1D	0805	150	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21BB201SH1D	BLM21BB201SH1D	0805	200	200	0.35	Automotive	.12	.07	.06	.055
81-BLM21BB221SH1D	BLM21BB221SH1D	0805	220	200	0.35	Automotive	.14	.12	.11	.10
81-BLM21BD221SH1D	BLM21BD221SH1D	0805	220	200	0.25	Automotive	.14	.12	.11	.10
81-BLM21BB331SH1D	BLM21BB331SH1D	0805	330	200	0.40	Automotive	.14	.12	.11	.10
81-BLM21BD331SH1D	BLM21BD331SH1D	0805	330	200	0.30	Automotive	.14	.12	.11	.10
81-BLM21BD421SH1D	BLM21BD421SH1D	0805	420	200	0.30	Automotive	.14	.12	.11	.10
81-BLM21BB471SH1D	BLM21BB471SH1D	0805	470	200	0.45	Automotive	.14	.12	.11	.10
81-BLM21BD471SH1D	BLM21BD471SH1D	0805	470	200	0.35	Automotive	.12	.07	.06	.05
81-BLM21BD601SH1D	BLM21BD601SH1D	0805	600	200	0.35	Automotive	.11	.06	.06	.05
81-BLM21BD751SH1D	BLM21BD751SH1D	0805	750	200	0.40	Automotive	.12	.07	.06	.06
81-BLM21BD102SH1D	BLM21BD102SH1D	0805	1000	200	0.40	Automotive	.12	.07	.06	.05
81-BLM21BD152SH1D	BLM21BD152SH1D	0805	1500	200	0.45	Automotive	.15	.09	.08	.07
81-BLM21BD182SH1D	BLM21BD182SH1D	0805	1800	200	0.50	Automotive	.15	.09	.08	.07
81-BLM21BD222SH1L	BLM21BD222SH1L	0805	2200	200	0.60	Automotive	.15	.13	.09	.08
81-BLM21BD222TH1D	BLM21BD222TH1D	0805	2200	200	0.60	Automotive	.15	.09	.08	.07
81-BLM21BD272SH1L	BLM21BD272SH1L	0805	2700	200	0.80	Automotive	.15	.13	.09	.08



EMI Suppression

Murata