

MURATA EMI Filters and Ferrite Beads



This product is RoHS compliant.

DS_6 SERIES DISC TYPE EMIFIL® LEADED EMI SUPPRESSION FILTER

DS_6 is a compact, high performance lead type EMI suppression filter which can be mounted 2.54mm pitch. Its three terminal structure enables nice high frequency performance.

Applications:

- Computer and peripherals interfaces
- Compact digital equipment
- Compact PPC, electronic typewriters, other electronic equipment and appliances
- Helps all electronic equipment and appliances meet FCC, VDE and CISPR regulations
- STD footprint for high density mounting



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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Capacitance (pF)	Capacitor		Ferrite Beads	Current (A)	Price Each			
				Vdc	T.C.			1	100	250	500
Manufacturers Type DSN6 Series											
81-DS306Y5S470M50	DSN6NC51H470Q55B	A	47	50	20%	None	6	.69	.377	.285	.254
81-DS306Y5S101M50	DSN6NC51H101Q55B	A	100	50	20%	None	6	.69	.377	.285	.254
81-DS306F2103Z50	DSN6NZB1H103Q55B	A	10000	50	80%-20%	None	6	.69	.377	.285	.254
Manufacturers Type DSS6 Series											
81-DSS306Y5S470M100	DSS6NC52A470Q55B	B	47	100	20%	Internal	6	.57	.554	.522	.469
81-DSS306Y5S101M100	DSS6NC52A101Q55B	B	100	100	20%	Internal	6	.57	.554	.522	.469
81-DSS306Y5S271M100	DSS6NC52A271Q55B	B	270	100	20%	Internal	6	.57	.554	.522	.469
81-DSS306Y5S471M100	DSS6NC52A471Q55B	B	470	100	20%	Internal	6	.57	.554	.522	.469
81-DSS306Y5S102M100	DSS6NC52A102Q55B	B	1000	100	20%	Internal	6	.57	.554	.522	.469
81-DSS306Y5U222Z100	DSS6NE52A222Q55B	B	2200	100	80%-20%	Internal	6	.57	.554	.522	.469

DS_9 SERIES DISC TYPE EMIFIL® LEADED EMI SUPPRESSION FILTER

Disc type EMIFIL®, DSS9 and DST9 are T-type EMI suppression filters. The disc-type EMIFIL increases the self-resonant frequency of the capacitor by attaching two lead wires to one of the electrodes of the capacitor and increases the insertion loss by adding inductance to the lead. Frequencies to be suppressed can be selected by choosing the capacitance. They are also recommended for use as by-pass capacitors.



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MOUSER STOCK NO.	Murata Part No.	Fig.	Capacitance (pF)	Capacitor		Ferrite Beads	Current (A)	Price Each			
				Vdc	T.C.			1	100	250	500
Manufacturers Type DSS9 Series											
81-DSS310Y5S220M100	DSS9NC52A220Q55B	C	22	100	20%	Internal	7	.90	.522	.466	.416
81-DSS310Y5S470M100	DSS9NC52A470Q55B	C	47	100	20%	Internal	7	.90	.522	.466	.416
81-DSS310Y5S271M100	DSS9NC52A271Q55B	C	270	100	20%	Internal	7	.90	.522	.466	.416
81-DSS310Y5S222M100	DSS9NC52A222Q55B	C	2200	100	20%	Internal	7	.90	.522	.466	.416
81-DSS310BL222M100	DSS9NF32A222Q55B	C	2200	100	20%	Internal	7	.90	.522	.466	.416
81-DSS310Y5S223S50	DSS9NC51H223Q55B	C	22000	50	50%-20%	Internal	7	.94	.497	.39	.355
Manufacturers Type DST9 Series											
81-DST310Y5S271M100	DST9NC52A271Q55B	D	270	100	20%	External	7	1.08	.569	.447	.406
81-DST310Y5S222M100	DST9NC52A222Q55B	D	2200	100	20%	External	7	1.08	.569	.447	.406
81-DST310Y5S223S50	DST9NC51H223Q55B	D	22000	50	50%-20%	External	7	1.07	1.01	.677	.534

BNX SERIES LEADED EMI FILTER LC COMBINED TYPE

The block type "EMIFIL" BNX Series incorporates through-type capacitor, multilayer chip capacitors and bead. The BNX is high performance for use in DC power circuits.

Applications:

- Noise suppression for DC power line of large screen display
- PDP
- LCD-TV

Features:

- The filter enables obtaining high insertion loss in wide frequency ranges from 0.5MHz to 1GHz
- The only one filter block enable noise suppression of both the positive and negative lines
- There are no connection routes in the current circuits, thus ensuring highly reliable performance



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MOUSER STOCK NO.	Murata Part No.	Fig.	Vdc	Withstand Voltage	Rated Current	Insulation Resistance (min.) (MΩ)	Price Each			
							1	10	25	50
81-BNX002-01	BNX002-01	E	50	125	10A	100	7.61	6.76	6.50	5.92
81-BNX003-01	BNX003-01	E	150	375	10A	100	6.52	5.60	5.34	5.10
81-BNX005-01	BNX005-01	F	50	125	15A	100	12.91	12.58	12.11	11.63

BL01/02/03 SERIES FERRITE BEAD INDUCTORS

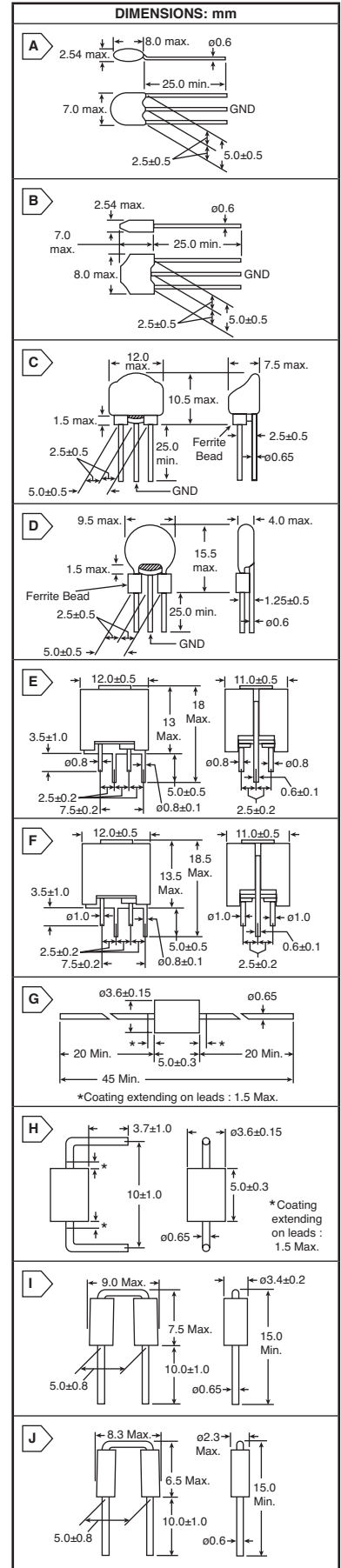
BL01/02/03 series are ferrite beads with lead wires to produce a high frequency loss for suppression of noise. Simple construction and easy-to-use, effective for low impedance circuits such as power supplies and grounds. Effective also for preventing overshoot and undershoot of digital signal in clocks or the like, and suppressing the higher harmonic wave. Suitable for prevention of abnormal oscillation at high frequency amplifying circuit.



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MOUSER STOCK NO.	Murata Part No.	Fig.	Number of Beads Core	Rated Current	Price Each			
					1	50	100	500
81-BL01RN1A1D2B	BL01RN1A1D2B	G	1	7A	.46	.30	.21	.135
81-BL01RN1A2A2B	BL01RN1A2A2B	H	1	7A	.50	.39	.234	.15
81-BL02RN2R1M2B	BL02RN2R1M2B	I	2	7A	.59	.458	.33	.266
81-BL03RN2R1M1B	BL03RN2R1M1B	J	2	7A	.59	.458	.33	.266



EMI Suppression

Murata