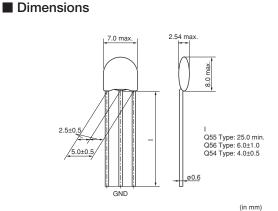
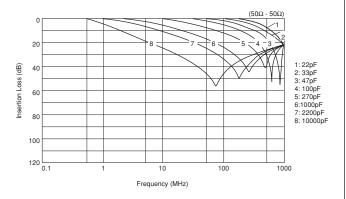
Leaded EMIFIL[®] (Three-terminal Capacitor type) Small Type DSN6/DSS6 Series

DSN6 Series



Insertion Loss Characteristics (Main Items)

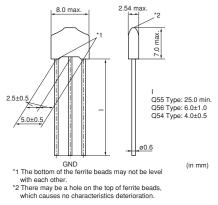


■ Rated Value (□: lead type/packaging code)

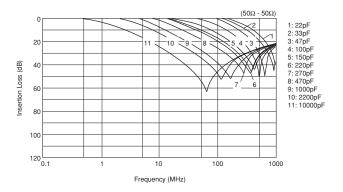
Part Number	Capacitance	Rated Voltage	Rated Current	Operating Temperature Range
DSN6NC51H220	22pF ±20%	50Vdc	6A	-25 to +85°C
DSN6NC51H330	33pF ±20%	50Vdc	6A	-25 to +85°C
DSN6NC51H470	47pF ±20%	50Vdc	6A	-25 to +85°C
DSN6NC51H101	100pF ±20%	50Vdc	6A	-25 to +85°C
DSN6NC51H271	270pF ±20%	50Vdc	6A	-25 to +85°C
DSN6NC51H102	1000pF ±20%	50Vdc	6A	-25 to +85°C
DSN6NC51H222	2200pF ±20%	50Vdc	6A	-25 to +85°C
DSN6NZ81H103	10000pF 80/-20%	50Vdc	6A	-25 to +85°C

DSS6 Series Straight Type

Dimensions



Insertion Loss Characteristics (Main Items)



Continued on the following page.

•This data sheet is applied for Lead EMIFIL® Capacitor Type used for General Electronics equipment for your design.

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

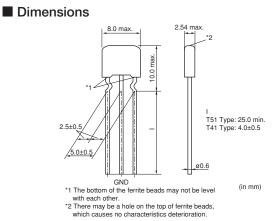
D	ate	<u> </u>	h	0	0
	alc	えこ	211	e	E

Continued from the preceding page.

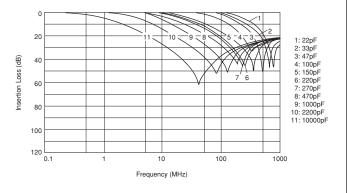
■ Rated Value (□: lead type/packaging code)

Part Number	Capacitance	Rated Voltage	Rated Current	Operating Temperature Range
DSS6NC52A220	22pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A330	33pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A470	47pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A101	100pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A151	150pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A221	220pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A271	270pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A471	470pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A102	1000pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NE52A222	2200pF 80/-20%	100Vdc	6A	-25 to +85°C
DSS6NZ82A103	10000pF ±30%	100Vdc	6A	-25 to +85°C

DSS6 Series Incrimp Type



Insertion Loss Characteristics (Main Items)



■ Rated Value (□: lead type/packaging code)

Part Number	Capacitance	Rated Voltage	Rated Current	Operating Temperature Range
DSS6NC52A220	22pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A330	33pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A470	47pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A101	100pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A151	150pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A221	220pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A271	270pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A471	470pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NC52A102	1000pF ±20%	100Vdc	6A	-25 to +85°C
DSS6NE52A222	2200pF 80/-20%	100Vdc	6A	-25 to +85°C
DSS6NZ82A103	10000pF ±30%	100Vdc	6A	-25 to +85°C

Continued on the following page.

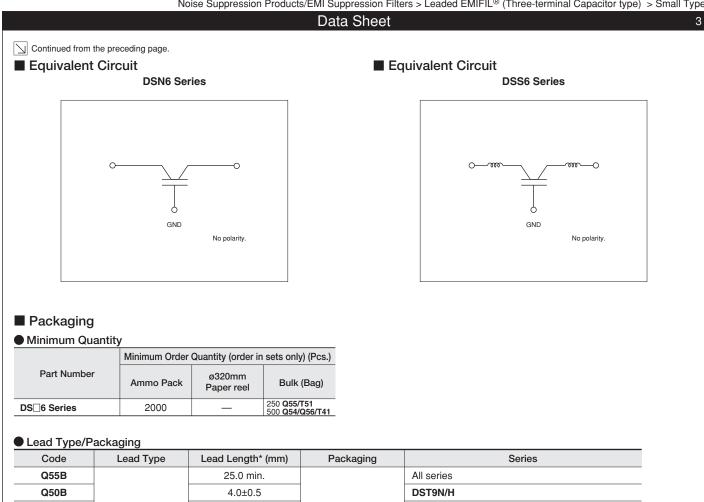
This data sheet is applied for Lead EMIFIL® Capacitor Type used for General Electronics equipment for your design.

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.



2



Q55B	250B 252B Straight 254B 256B 141B Incrimp	25.0 min.		All series
Q50B		4.0±0.5	Bulk	DST9N/H
Q52B		6.0±1.0		DST9N
Q54B		4.0±0.5		DSN6N/9N, DSS6N
Q56B		6.0±1.0		
T41B		4.0±0.5	_	DSS6N
T51B		25.0 min.		DSSON
Q91A	Straight	20.0±1.0		DS□6N, DSN9N/H, DSS1N
Q92A		16.5±1.0		DS⊡6N. DS⊡9N/H
Q93A		18.5±1.0	Ammo Pack	
U21A	Inorimo	16.5±1.0		DSS6N
U31A	- Incrimp	18.5±1.0		0000

*Lead Distance between Reference and Bottom Planes Except for Bulk.

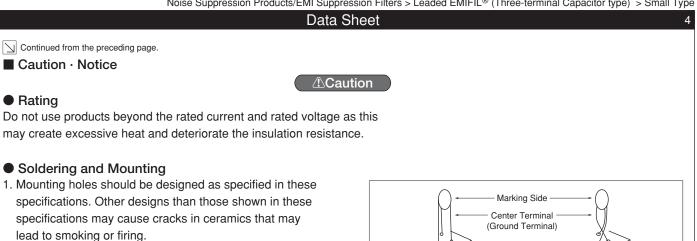
Continued on the following page. \square

•This data sheet is applied for Lead EMIFIL® Capacitor Type used for General Electronics equipment for your design.

ANote:

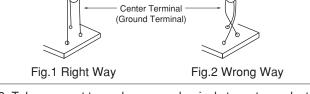
1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.



2. DSN9/DST9/DSN9H/DST9H/VFS9V Series Mounting for PCB. (Applis only to bulk type.)

The form of the mounting hole of the bulk item is a triangle. The product should be inserted and soldered to each hole in the correct way as in Fig.1. (The center terminal and the other terminals become parallel when viewing the product from the side.) Smoking and firing maybe caused by incorrect mounting as in Fig.2. (The center terminal and the other terminals cross when viewing the product from the side.)



3. Take care not to apply any mechanical stress to product body at the lead terminal bending process for product angle adjustment after insertion.

For DST9, please do not bend the lead terminal at the point between the dielectric part and the ferrite bead.

Continued on the following page.

•This data sheet is applied for Lead EMIFIL® Capacitor Type used for General Electronics equipment for your design.

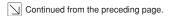
/Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

Data Sheet

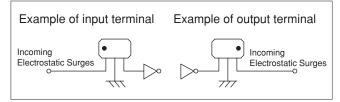
Notice



• Storage and Operating Conditions

<Operating Environment>

- 1. Do not use products in a chemical atmosphere such as chlorine gas, acid or sulfide gas.
- 2. Do not use products near water, oil or organic solvents. Avoid environments where dust or dirt may adhere to the product.
- <Storage and Handling Requirements>
- Storage Period
 Use the products within 12 months after delivery.
 Solderability should be checked if this period is
 exceeded.
- 2. Storage Conditions
- (1) Storage temperature: -10 to 40 degrees C
 Relative humidity: 15 to 85%
 Avoid sudden changes in temperature and humidity.
- (2) Do not store products in a chemical atmosphere such as chlorine gas, acid or sulfide gas.
- (3) When restoring taping type (BL01RN1A1F1J), please attach the spacer between the flanges of the reel. The spacer is corrugated paper that is attached when shipping.
- <Using EMIGUARD® effectively>
- Terminal (with mark) should be properly connected to the line of incoming electrostatic surge. (There is polarity.) Otherwise, no effect in ESD suppression can be expected (VFR3V).



2. Products should be used at rated voltage or less and rated current or less.

5

- Products should not be applied for the absorption of surges that have large energy (e.g., induced lightning surges, switching surges) because it is designed for the absorption of electrostatic surges (VFR3V).
- 4. Electrostatic testing should be done on the following conditions (VFR3V).
 - $n \cdot [C / R \cdot V^2]^2 < 8.0 \text{ x}10^5$
 - n: Times applied
 - C: Charging Capacitance (pF)
 - V: Testing Voltage (kV)
 - R: Charging Resistance (Ω)

Soldering and Mounting

1. Washing

Failure and degradation of a product are caused by the washing method. When you wash in conditions that are not in the mounting information, please contact Murata engineering.

2. Soldering

Reliability decreases with improper soldering methods. Please solder by the standard soldering conditions shown in the mounting information.

3. Other

Noise suppression levels resulting from Murata's EMI suppression filters EMIFIL[®] may vary, depending on the circuits and ICs used, type of noise, mounting pattern, lead wire length, mounting location, and other operating conditions. Be sure to check and confirm in advance the noise suppression effect of each filter, in actual circuits, etc. before applying the filter in a commercial-purpose equipment design.

• This data sheet is applied for Lead EMIFIL® Capacitor Type used for General Electronics equipment for your design.

- 1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Fixed Inductors category:

Click to view products by Murata manufacturer:

Other Similar products are found below :

MLZ1608M6R8WTD25 MLZ1608N6R8LT000 MLZ1608N3R3LTD25 MLZ1608N3R3LT000 MLZ1608N150LT000 MLZ1608M150WTD25 MLZ1608M3R3WTD25 MLZ1608M3R3WT000 MLZ1608M150WT000 MLZ1608A1R5WT000 MLZ1608N1R5LT000 B82432C1333K000 PCMB053T-1R0MS PCMB053T-1R5MS PCMB104T-1R5MS CR32NP-100KC CR32NP-151KC CR32NP-180KC CR32NP-181KC CR32NP-1R5MC CR32NP-390KC CR32NP-3R9MC CR32NP-680KC CR32NP-820KC CR32NP-8R2MC CR43NP-390KC CR43NP-560KC CR43NP-680KC CR54NP-181KC CR54NP-470LC CR54NP-820KC CR54NP-8R5MC MGDQ4-00004-P MGDU1-00016-P MHL1ECTTP18NJ MHL1JCTTD12NJ PE-51506NL PE-53601NL PE-53630NL PE-53824SNLT PE-62892NL PE-92100NL PG0434.801NLT PG0936.113NLT PM06-2N7 PM06-39NJ HC2LP-R47-R HC2-R47-R HC3-2R2-R HC8-1R2-R