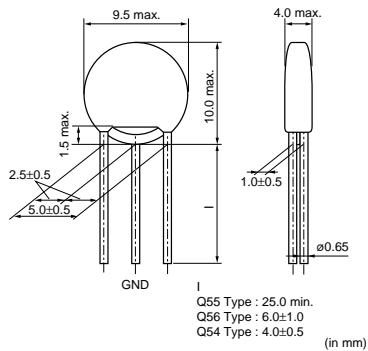


Lead EMIFIL® Capacitor Type Broad Band Type

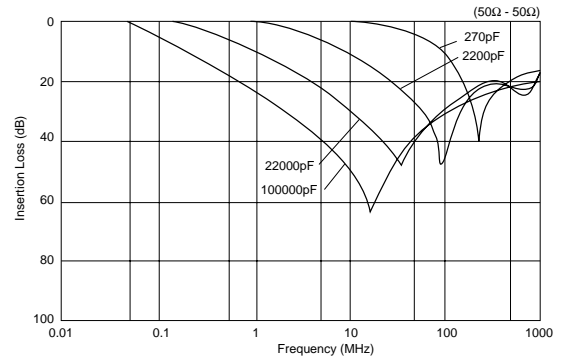
DSN9N/DSS9N/DST9N Series

DSN9N Series

Dimension



IL of Main Items



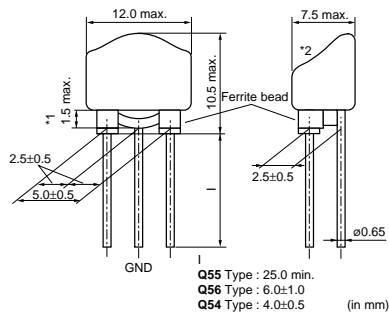
Rated Value (□: lead type/packaging code)

Part Number	Capacitance	Rated Current	Rated Voltage	Operating Temperature Range
DSN9NC52A271□	270pF+20%-20%	7A	100Vdc	-25°C to +85°C
DSN9NC52A222□	2200pF+20%-20%	7A	100Vdc	-25°C to +85°C
DSN9NC51H223□	22000pF+50%-20%	7A	50Vdc	-25°C to +85°C
DSN9NC51C104□	100000pF+20%-20%	7A	16Vdc	-25°C to +85°C

Rated current is 6A for taping type and its lead diameter is phi 0.6mm and three terminal in line arrangement.

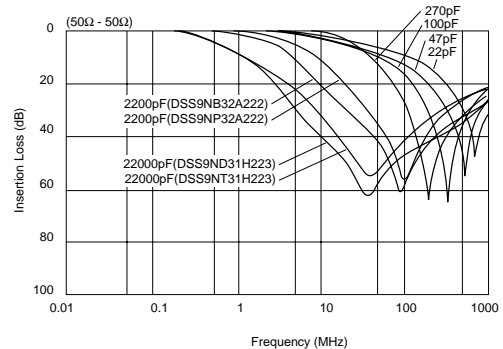
DSS9N Series

Dimension



*1 Coating extending on leads does not exceed the tangent line.
Exposed electrode, if any, is covered by solder, etc.
*2 There should not be the exposure of the ferrite bead if a hole is in top of filter, the ferrite bead should not be exposed.

IL of 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.

Note:

- 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.
- 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.

 Continued from the preceding page.

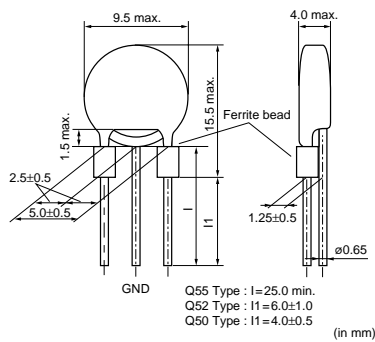
■ Rated Value (□: lead type/package code)

Part Number	Capacitance	Rated Current	Rated Voltage	Operating Temperature Range
DSS9NC52A220□	22pF+20%-20%	7A	100Vdc	-25°C to +85°C
DSS9NC52A470□	47pF+20%-20%	7A	100Vdc	-25°C to +85°C
DSS9NC52A101□	100pF+20%-20%	7A	100Vdc	-25°C to +85°C
DSS9NC52A271□	270pF+20%-20%	7A	100Vdc	-25°C to +85°C
DSS9NC52A222□	2200pF+20%-20%	7A	100Vdc	-25°C to +85°C
DSS9NP32A222□	2200pF+20%-20%	7A	100Vdc	-25°C to +85°C
DSS9NC51H223□	22000pF+50%-20%	7A	50Vdc	-25°C to +85°C
DSS9NT31H223□	22000pF+50%-20%	7A	50Vdc	-25°C to +85°C

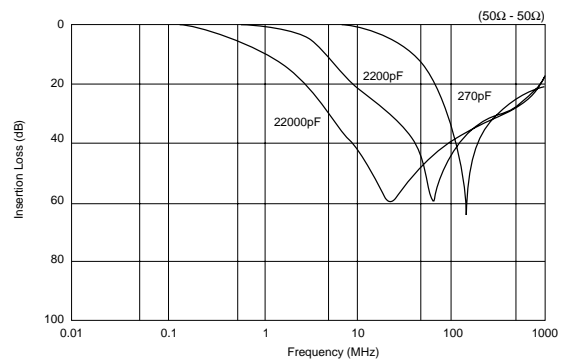
Rated current is 6A for taping type and its lead diameter is phi 0.6mm and three terminal in line arrangement.
DSS9NP32A222/DSS9NT31H223 are low distortion types for audio IF circuits.

DST9N Series

■ Dimension




■ IL of Main Items



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

Part Number	Capacitance	Rated Current	Rated Voltage	Operating Temperature Range
DST9NC52A271□	270pF+20%-20%	7A	100Vdc	-25°C to +85°C
DST9NC52A222□	2200pF+20%-20%	7A	100Vdc	-25°C to +85°C
DST9NC51H223□	22000pF+50%-20%	7A	50Vdc	-25°C to +85°C


Rated current is 6A for taping type and its lead diameter is phi 0.6mm and three terminal in line arrangement.

Continued on the following page. 

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

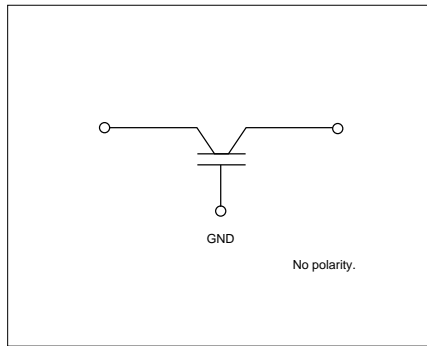
⚠ Note:

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.
- 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.

 Continued from the preceding page.

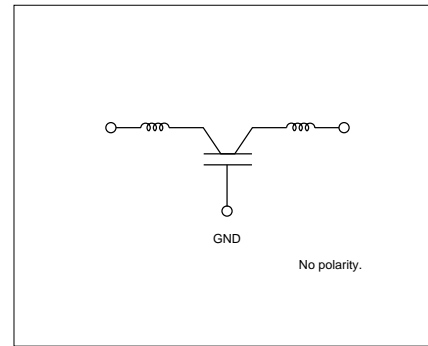
■ Equivalent circuit

DSN9N Series



■ Equivalent circuit

DSS9N/DST9N Series



■ Packaging

● Minimum Quantity

Part Number	Minimum Order Quantity (order in sets only) (Pcs.)		
	Ammo Pack	ø320mm Paper reel	Bulk (Bag)
DSN9 Series	2000	—	250 Q55 500 Q54/Q56
DST9 Series	1000	—	200 Q55 250 Q50/Q52
DSS9 Series	—	800	200 Q55 500 Q54/Q56

● Lead Type/Packaging

Code	Lead Type	Lead Length* (in mm)	Packaging	Series
Q55B	Straight	25.0 min.	Bulk	All series
Q50B		4.0±0.5		DST9N/H
Q52B		6.0±1.0		DST9N
Q54B		4.0±0.5		DSN6/9, DSS6/9
Q56B		6.0±1.0		DSS6N
T41B	Incrimp	4.0±0.5	Paper Reel (ø320mm)	DSS9N/H
T51B		25.0 min.		
Q91J	Straight	20.0±1.0	Ammo Pack	DS□6, DSN9N/H
Q92J		16.5±1.0		
Q93J		18.5±1.0		
Q91A		20.0±1.0		
Q92A		16.5±1.0		
Q93A	18.5±1.0	DSS6N		
U21A	16.5±1.0			
U31A	18.5±1.0			

*Lead Distance between Reference and Bottom Planes except Bulk.

■ ⚠ Caution (Rating)

Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance.

● 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.