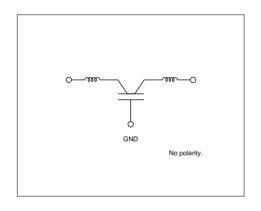
# **Built-in Ferrite Beads DSS6 Series Incrimp Type**

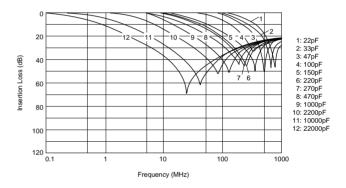
Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range (°C)
DSS6NC52A220	22 +20%,-20%	100	6	-25 to +85
DSS6NC52A330	33 +20%,-20%	100	6	-25 to +85
DSS6NC52A470	47 +20%,-20%	100	6	-25 to +85
DSS6NC52A101	100 +20%,-20%	100	6	-25 to +85
DSS6NC52A151	150 +20%,-20%	100	6	-25 to +85
DSS6NC52A221	220 +20%,-20%	100	6	-25 to +85
DSS6NC52A271	270 +20%,-20%	100	6	-25 to +85
DSS6NC52A471	470 +20%,-20%	100	6	-25 to +85
DSS6NC52A102	1000 +20%,-20%	100	6	-25 to +85
DSS6NE52A222	2200 +80%,-20%	100	6	-25 to +85
DSS6NZ82A103	10000 +30%,-30%	100	6	-25 to +85
DSS6NF31C223	22000 +80%,-20%	16	6	-25 to +85

Please refer to Part Numbering for Type and Length of Lead.

### **■** Equivalent Circuit



#### ■ Insertion Loss Characteristics



# Note • This PDF catalog 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 PDF catalog 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.

# EMI Suppression Filters (Lead Type EMIFIL®)



# Disc Type EMIFIL® Broad Band Type DSN9/DSS9/DST9 Series

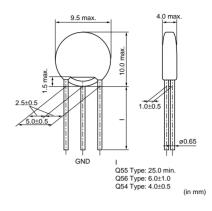
#### ■ Features

DS\_9 is a basic type EMI suppression filter which can obtain high insertion loss in a wide frequency range. Its three terminal structure enables precise high frequency performance. DSS9NP32A222/DSS9NT31H223 are low distortion types for audio circuits.

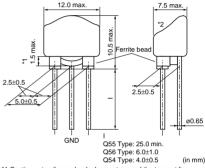
#### ■ Supplement

Diameter of lead is 0.6mm for taping type. Taping type is three terminal in-line arrangement.







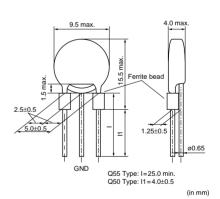


- \*1 Coating extending on leads does not exceed the tangent line.

  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.



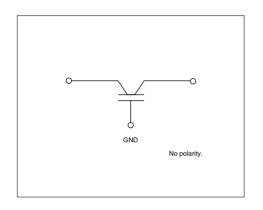


## **DSN9 Series**

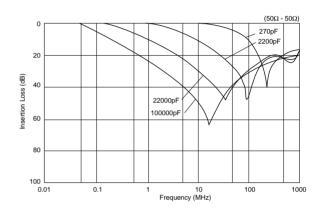
Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range (°C)
DSN9NC52A271	270 +20%,-20%	100	7	-25 to +85
DSN9NC52A222	2200 +20%,-20%	100	7	-25 to +85
DSN9NC51H223	22000 +50%,-20%	50	7	-25 to +85
DSN9NC51C104	100000 +20%,-20%	16	7	-25 to +85

Rated current is 6A for taping type and its lead diameter is phi 0.6mm. Please refer to Part Numbering for Type and Length of Lead.

## **■** Equivalent Circuit



#### ■ Insertion Loss Characteristics



## **Built-in Ferrite Beads DSS9 Series**

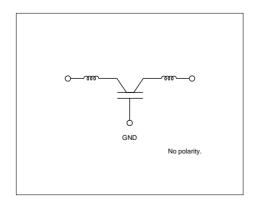
Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range (°C)
DSS9NC52A220	22 +20%,-20%	100	7	-25 to +85
DSS9NC52A470	47 +20%,-20%	100	7	-25 to +85
DSS9NC52A101	100 +20%,-20%	100	7	-25 to +85
DSS9NC52A271	270 +20%,-20%	100	7	-25 to +85
DSS9NC52A222	2200 +20%,-20%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

Rated current is 6A for taping type and its lead diameter is phi 0.6mm.

DSS9NP32A222/DSS9NT31H223 are low distortion types for audio IF circuits.

Please refer to Part Numbering for Type and Length of Lead.

#### **■** Equivalent Circuit



#### ■ Insertion Loss Characteristics

