

# On-Board Type (DC) EMI Suppression Filters (EMIFIL®)

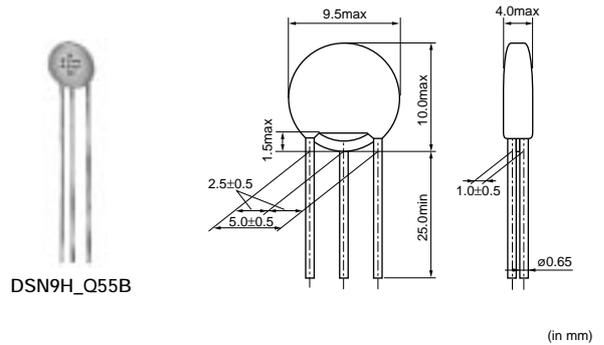
## Disc Type EMIFIL® Heavy-duty Type DSN9H/DSS9H/DST9H Series

### ■ Features

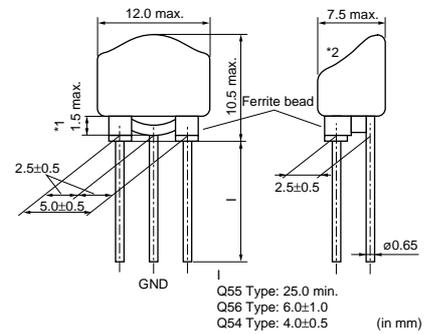
DS\_9H is a basic type EMI suppression filter which can obtain high insertion loss in a wide frequency range. Its three terminal structure enables nice high frequency performance. High rated voltage of 250Vdc and wide operating temperature range from -40 degrees C to 105 degrees C are suitable for high reliability circuits.

### ■ Supplement

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

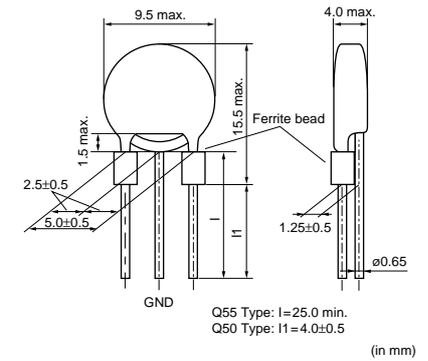


DSN9H\_Q55B



DSS9H\_Q55B

\*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.



DST9H\_Q55B

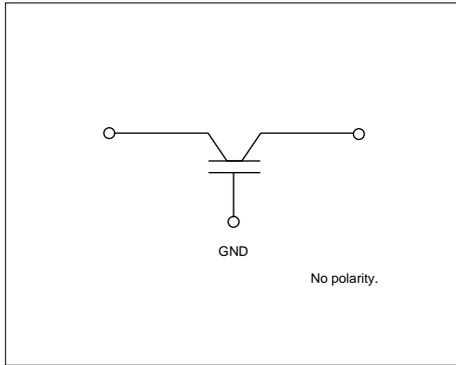
Q55 Type: l=25.0 min.  
 Q50 Type: l1=4.0±0.5

## DSN9H Series

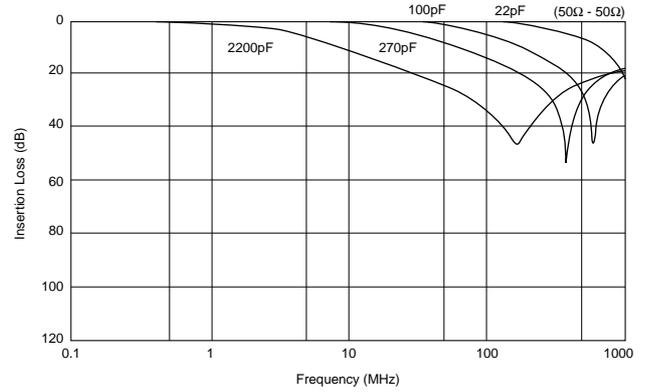
Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range (°C)
DSN9HB32E220	22 +20%, -20%	250	6	-40 to +105
DSN9HB32E101	100 +20%, -20%	250	6	-40 to +105
DSN9HB32E271	270 +20%, -20%	250	6	-40 to +105
DSN9HB32E222	2200 +20%, -20%	250	6	-40 to +105

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

### Equivalent Circuit



### Insertion Loss Characteristics

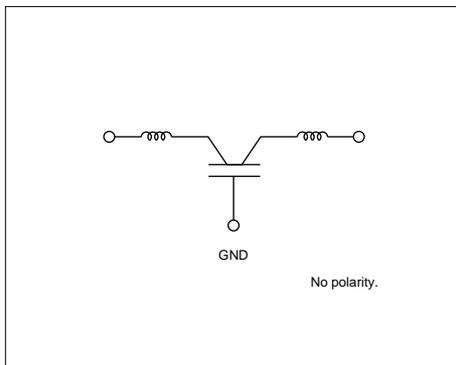


## Built-in Ferrite Beads DSS9H Series

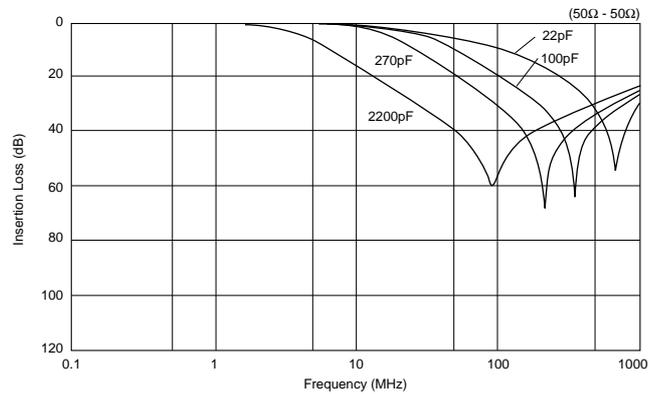
Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range (°C)
DSS9HB32E220	22 +20%, -20%	250	6	-40 to +105
DSS9HB32E101	100 +20%, -20%	250	6	-40 to +105
DSS9HB32E271	270 +20%, -20%	250	6	-40 to +105
DSS9HB32E222	2200 +20%, -20%	250	6	-40 to +105

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

### Equivalent Circuit



### Insertion Loss Characteristics

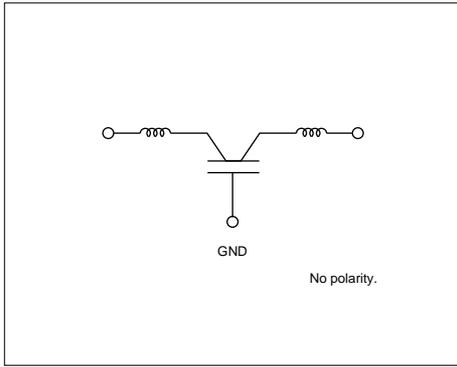


## With Ferrite Beads DST9H Series

Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range (°C)
<b>DST9HB32E220</b>	22 +20%,-20%	250	6	-40 to +105
<b>DST9HB32E101</b>	100 +20%,-20%	250	6	-40 to +105
<b>DST9HB32E271</b>	270 +20%,-20%	250	6	-40 to +105
<b>DST9HB32E222</b>	2200 +20%,-20%	250	6	-40 to +105

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

### ■ Equivalent Circuit



### ■ Insertion Loss Characteristics

