

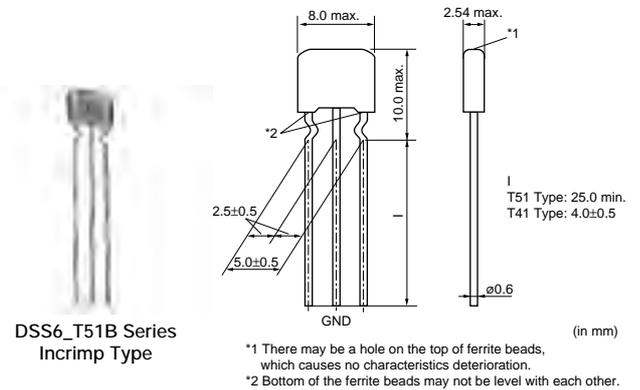
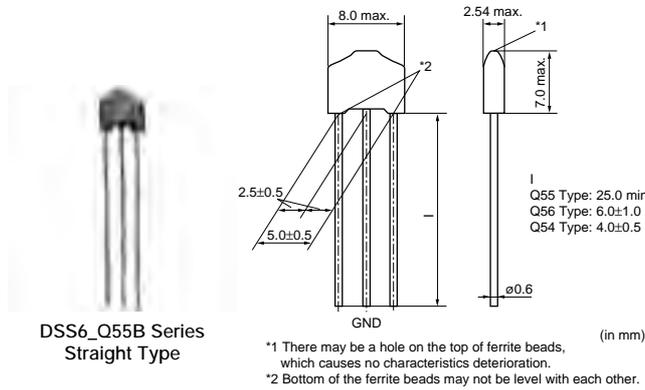
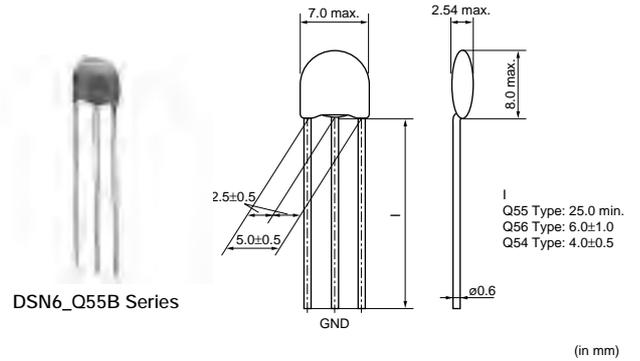
# On-Board Type (DC) EMI Suppression Filters (EMIFIL®)



## Disc Type EMIFIL® DSN6/DSS6 Series

### ■ Features

DS\_6 is a compact, high performance lead type EMI suppression filter which can be mounted 2.54mm pitch. Its three terminal structure enables precise high frequency performance.

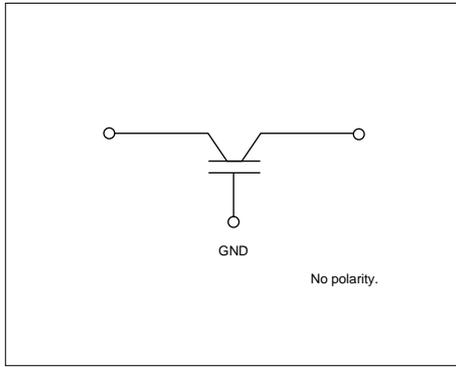


### DSN6 Series

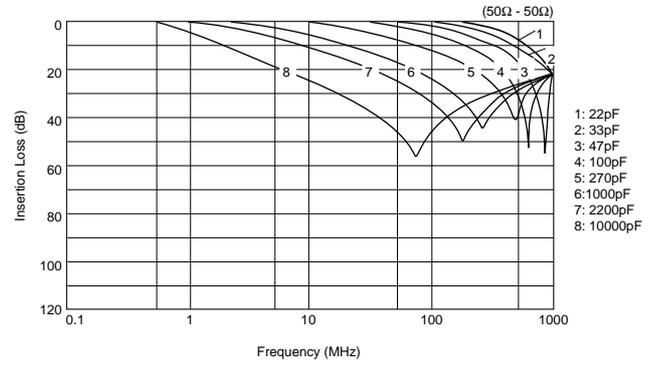
Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range (°C)
DSN6NC51H220	22 +20%, -20%	50	6	-25 to +85
DSN6NC51H330	33 +20%, -20%	50	6	-25 to +85
DSN6NC51H470	47 +20%, -20%	50	6	-25 to +85
DSN6NC51H101	100 +20%, -20%	50	6	-25 to +85
DSN6NC51H271	270 +20%, -20%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

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

■ Equivalent Circuit



■ Insertion Loss Characteristics

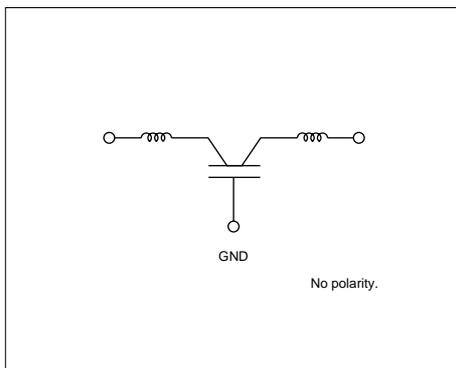


**Built-in Ferrite Beads DSS6 Series Straight Type**

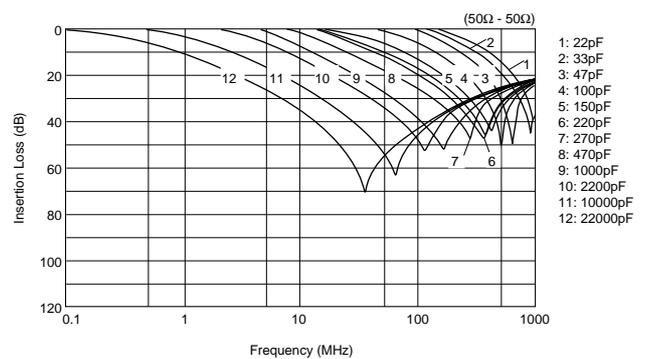
Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range (°C)
DSS6NC52A220	22 +20%, -20%	100	6	-25 to +85
DSS6NC52A330	33 +20%, -20%	100	6	-25 to +85
DSS6NC52A470	47 +20%, -20%	100	6	-25 to +85
DSS6NC52A101	100 +20%, -20%	100	6	-25 to +85
DSS6NC52A151	150 +20%, -20%	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

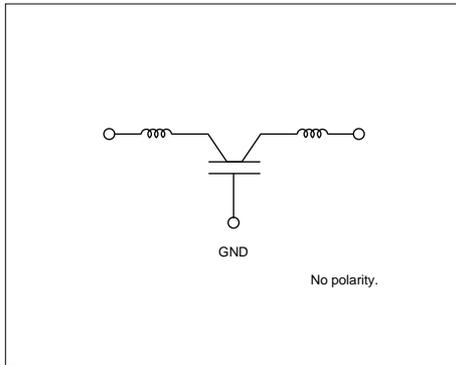


## Built-in Ferrite Beads DSS6 Series Incrimp Type

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

