

# EMI FILTERS

## EMI LEADED VARISTOR-CAPACITOR

### DSS706/710 SERIES



The DSS706 Varistor-Capacitor is a three-terminal filter which suppresses noise emission from electronic equipment while controlling incoming surges of static electricity. Its small size enables 2.5mm pitch mounting.

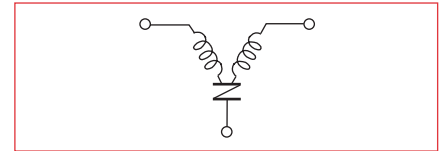
The DSS710 uses a capacitor element which provides the varistor function. This varistor-capacitor not only works as a bypass capacitor but also lets high-voltage surges flow to ground.

#### FEATURES

- Protects circuits from electrical surges and acts as a filter for signal lines.

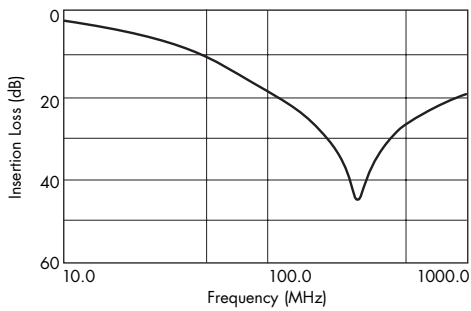
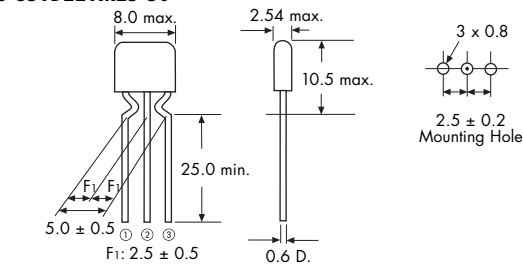
- Effectively suppresses high-frequency noise from signal lines.
- Small size enables it to be mounted at 2.5mm pitch.
- Built-in ferrite bead provides excellent EMI suppression.

#### EQUIVALENT CIRCUIT

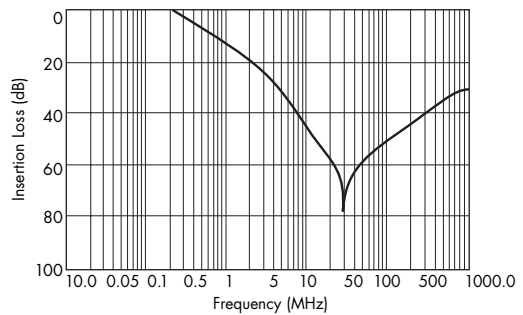
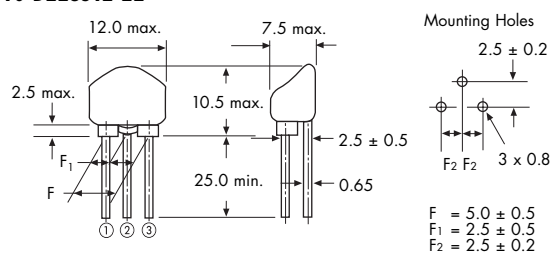


#### DIMENSIONS: mm

##### DSS706-351D221M25-50



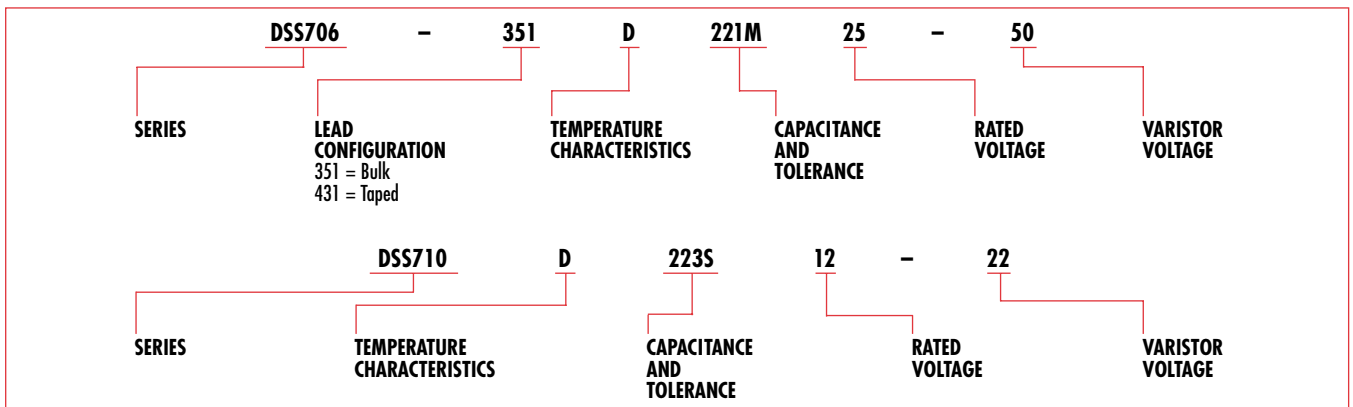
##### DSS710-D223S12-22



#### SPECIFICATIONS

Part Number	Capacitance	Capacitance Temp. Char.	Rated Voltage	Max. Rated Current	Varistor Voltage	Peak Pulse Current	Operating Temp. Range
★DSS706-351D221M25-50	220pF ± 20%	+20%, -30%	25VDC	6 Amps	50 ± 20%	100A	-40 ~ +105°C
★DSS710-D223S12-22	22000pF $^{+50}_{-20}$ %	+20%, -30%	12VDC	7A	22 ± 20%	—	-40 ~ +100°C

#### PART NUMBERING SYSTEM



★ Available as standard through authorized Murata Electronics Distributors. ▲ Applicable in North American market only. ▼ Applicable in European market only.  
 For more detailed information regarding this product line in North America, see Catalog No. E-06-E. To receive additional information on Murata Products call 1-800-831-9172.  
 For more detailed information regarding this product line in Europe, see Catalog No. C31E-2.