

# DSUB FILTERS



## Features

Available in 9, 15, and 25 shell sizes  
Pi type filters in a full range of capacitance values

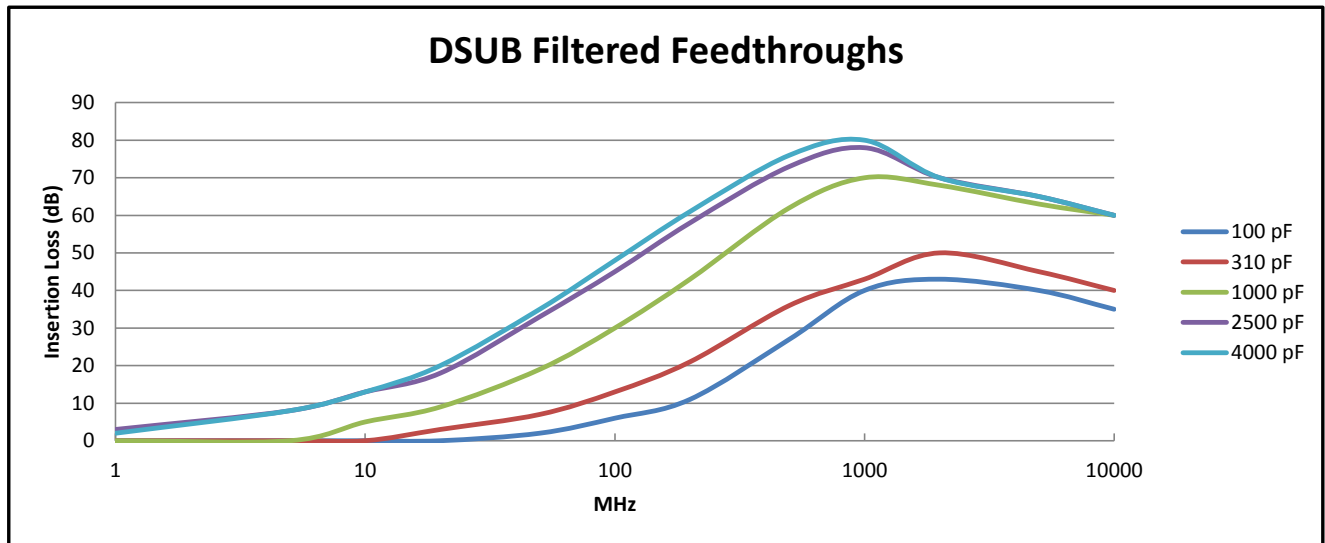


## Electrical Specifications

<b>Current Rating</b>	5 Amps
<b>RF Current Rating</b>	0.3 Amps
<b>Contact Resistance</b>	10 Milliohms maximum

## Mechanical Specifications

<b>Shell</b>	Zinc diecast, nickel plated 150 u inches (3.81 um) min.
<b>Insulators</b>	Glass-filled polyester, flammability UL94 V-0
<b>Pin Contacts</b>	Copper alloy CA725, 15 microinch (0.38 um) gold plated over nickel
<b>Socket Contacts</b>	Copper alloy CA725, 30 microinch (0.76 um) gold plated over nickel
<b>Terminations</b>	Gold flash for PCB mount and solder cups. Solder dipped also available
<b>Ground Plane</b>	Brass, solder plated
<b>Operating Temperature</b>	-55 degreeC to +125 degree C
<b>Capacitors</b>	Proprietary barium titanate ceramic formulations



Minimum Insertion Loss for Dsub Filtered Feedthroughs (MHz)

Capacitance	1	5	10	20	50	100	200	500	1000	2000	5000	10000	3dB Cut-off
100 pF	0	0	0	0	2	6	11	27	40	43	40	35	32 MHz
310 pF	0	0	0	3	7	13	21	36	43	50	45	40	17 MHz
1000 pF	0	0	5	9	19	30	43	62	70	68	63	60	3.2 MHz
2500 pF	3	8	13	18	33	45	58	73	78	70	65	60	1.3 MHz
4000 pF	2	8	13	20	35	48	61	76	80	70	65	60	0.8 MHz