



9000 MHz Suspended Stripline High Pass Filter

Part Number: AE9000SSH6564



Electrical Specifications

Cut Off Frequency: 9.0GHz
Pass Band Frequency: 9.0~23GHz
Pass Band Insertion Loss:
 $\leq 2.0\text{dB @ } 9.0\sim 9.5\text{GHz}$
 $\leq 1.0\text{dB @ } 9.5\sim 23\text{GHz}$
Pass Band VSWR:
 $\leq 1.5:1 @ 9.0\sim 20\text{GHz}$
 $\leq 1.8:1 @ 20\sim 23\text{GHz}$
Stop Band Attenuation: $\geq 60\text{dB @ DC}\sim 8.22\text{GHz}$
Impedance: 50 Ohms
Power Handling: $\leq 15\text{W}$

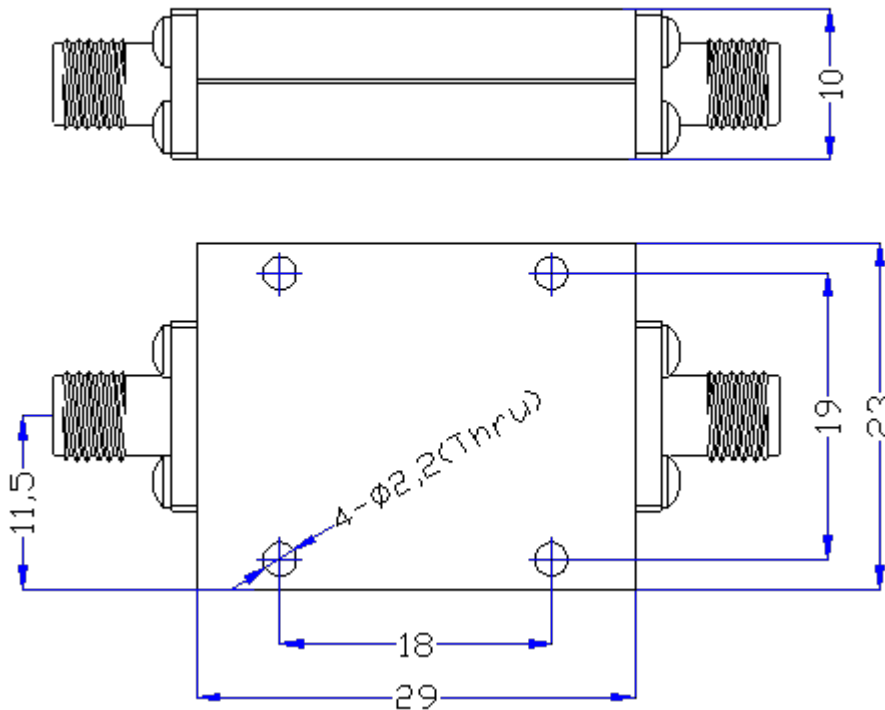
Mechanical

Mounting Method: Through Holes
Connector Type: SMA-Female
Dimensions: 29 x 23 x 10 mm

Environmental

Operating Temperature: -45 to +85° C
Storage Temperature: -55 to +95° C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200 Hz

Outline Drawing:

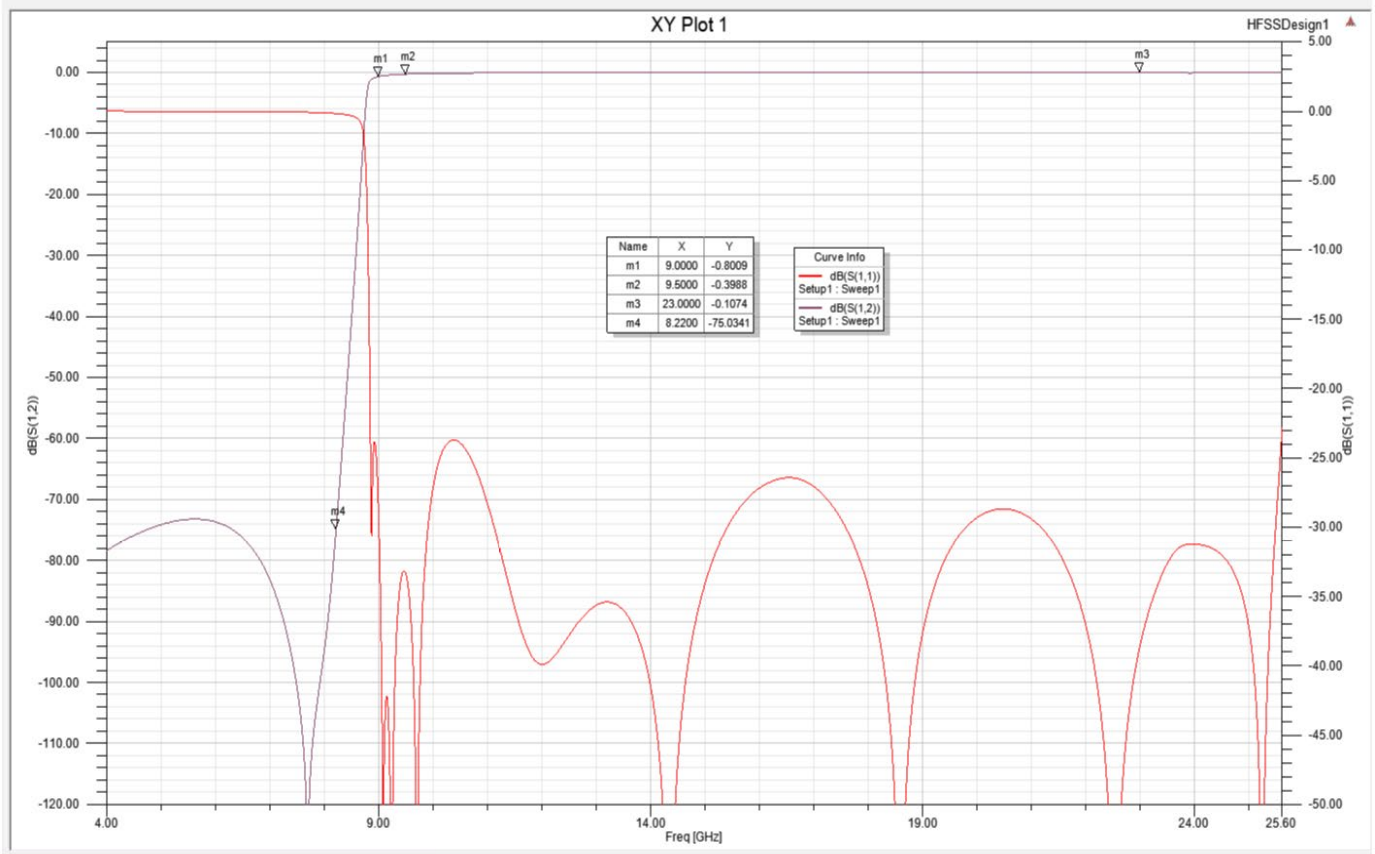


2 decimal places: ± 0.01 inches [$\pm 0.3\text{mm}$]
 3 decimal places: ± 0.005 inches [$\pm 0.13\text{mm}$]
 Angles: ± 1 Deg.

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



Simulation Plot:



Note: This is a simulated response plot. Actual performance might differ.