



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

43000 MHz Cavity Band Pass Filter

Part Number: AE43000B11562



Electrical Specifications

Center Frequency: 43 GHz
Passband: 40-46 GHz
Passband Insertion Loss: $\leq 1.7\text{dB}$
Passband VSWR: $\leq 1.7:1$
Rejection1: $\geq 45\text{dB @ } 34.5\text{ GHz}$
Rejection2: $\geq 45\text{dB @ } 50\text{ GHz}$
Impedance: 50 Ohms
Power: 5 Watts Max.

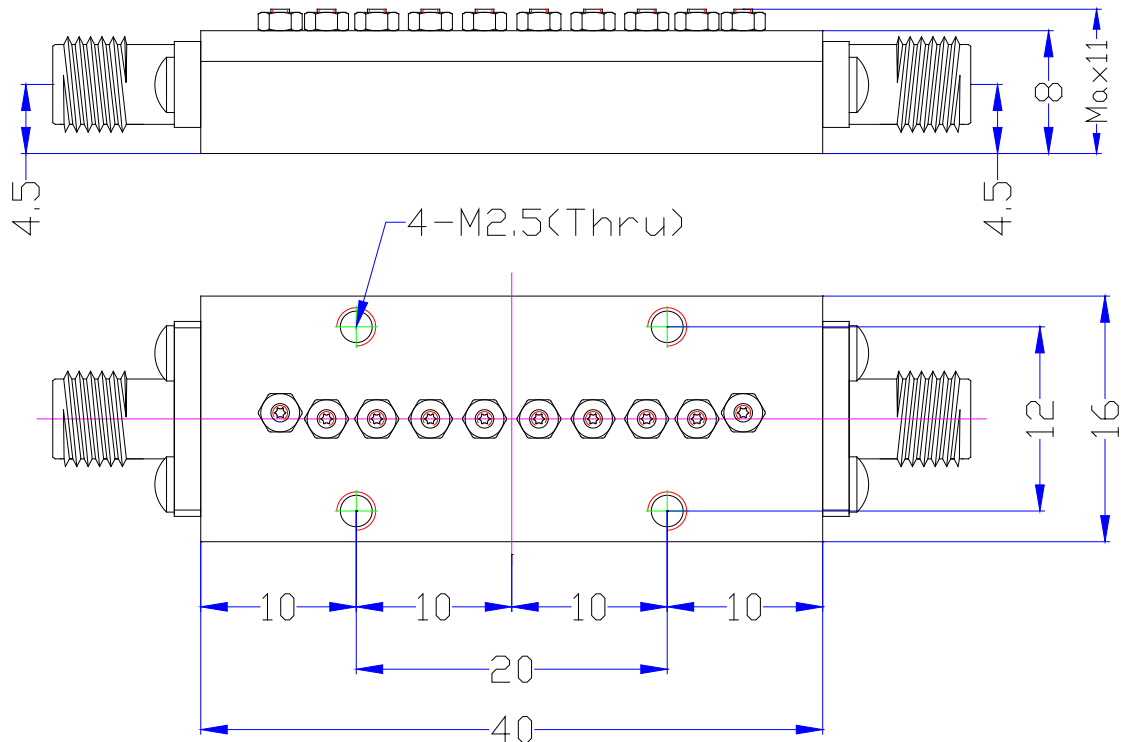
Mechanical

Mounting Method: Through Holes
Connector Type: 2.4mm (F)
Dimensions: 40 X 16 x 11 mm

Environmental

Operating Temperature: 15°C to +40°C
Storage Temperature: 5°C to +60°C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200Hz

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]

Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

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

70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 321-3941

Reference DCR:D061719-04A

Email: sales@anatechelectronics.com
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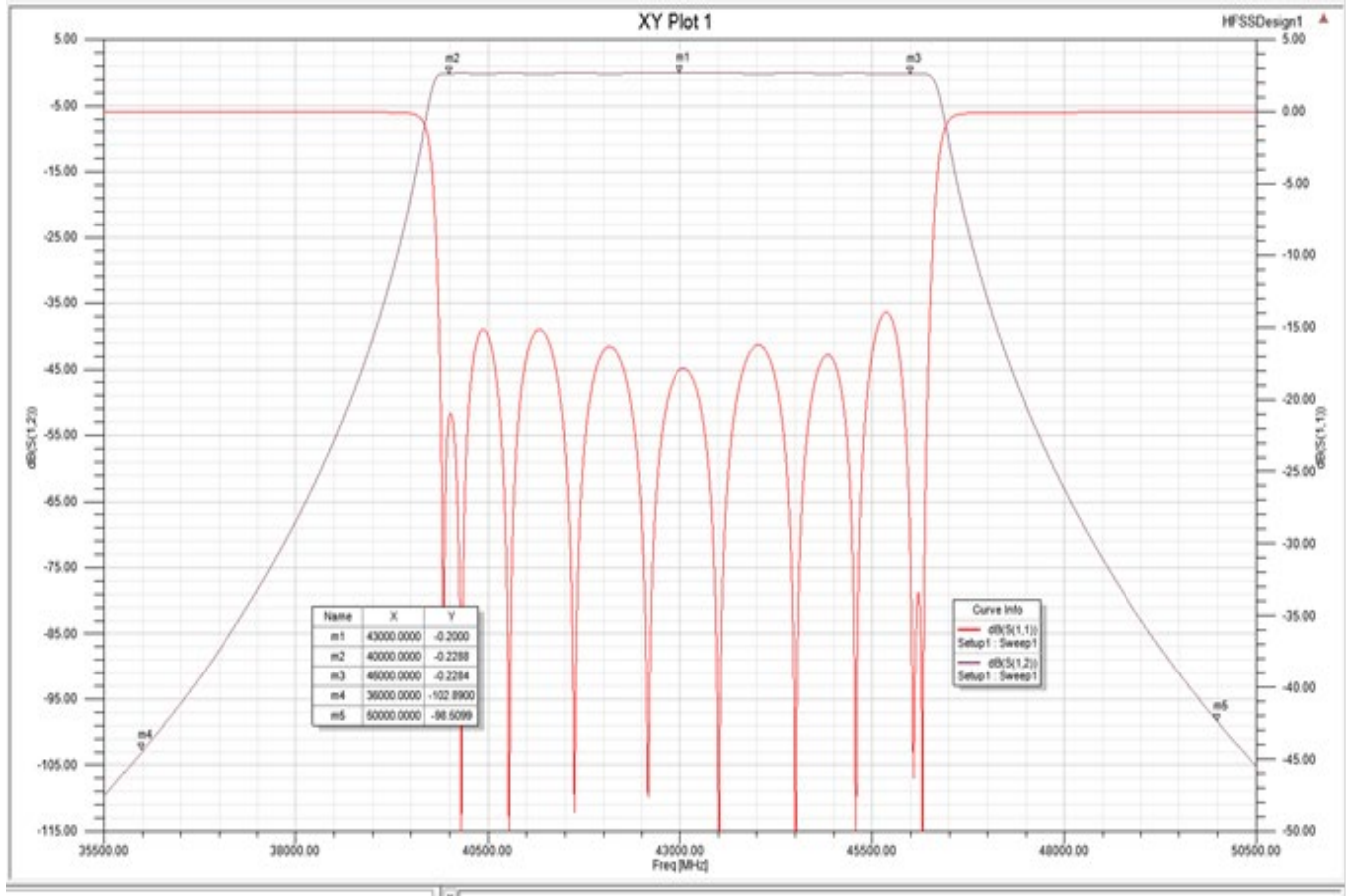
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Simulation Plot:



Note: This is a simulation Plot. Actual response plot might differ once product is manufactured.

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