



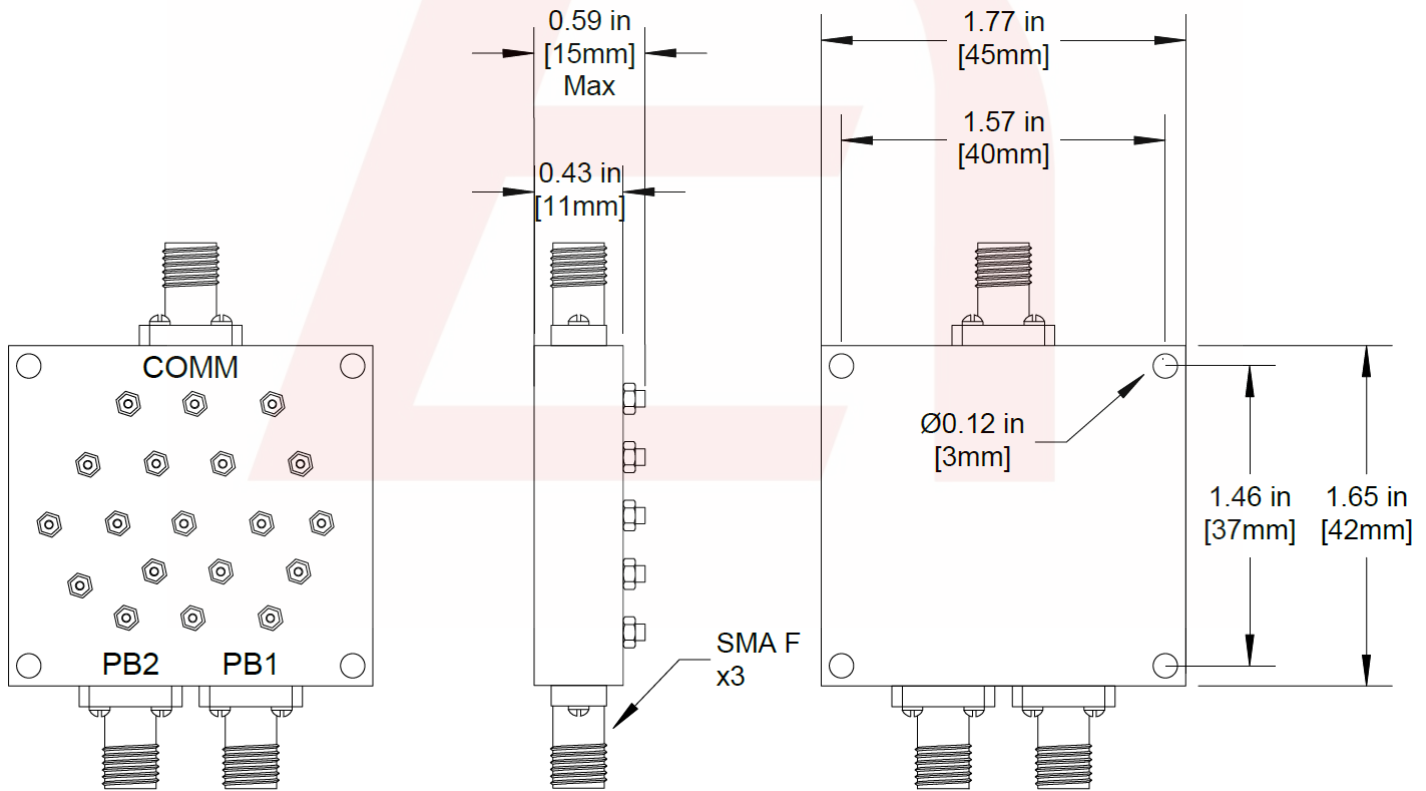
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

9750-9950 MHz / 10140-10440 MHz
Cavity Duplexer
Part Number: AE9850-10290DB5537



Characteristics	PB1 – Low Band (RX)	PB2 – High Band (TX)	Mechanical
Passband:	9750 – 9950 MHz	10140 – 10440 MHz	Connector Type: SMA Female
Insertion Loss:	2.5 dB Max	2.5 dB Max	Dimensions: 1.77 x 1.65 x 0.59 in. 45 x 42 x 15 mm
Return Loss:	14 dB Min	14 dB Min	Environmental
Rejection:	60 dB Min @ 100 – 9250 MHz	60 dB Min @ 10940 – 20000 MHz	Operating Temp.: -40 to +70 deg.C
Isolation:	60 dB Min		Storage Temp.: -55 to +85 deg.C
Impedance:	50 Ohms In/Out		Shock: 20 G. 11ms
Power Handling:	20 W Average Max		Vibration: 20 G. 5 to 200 Hz

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm] Angles:
+/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above. DS-DB5537-02162023-Rev0
*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

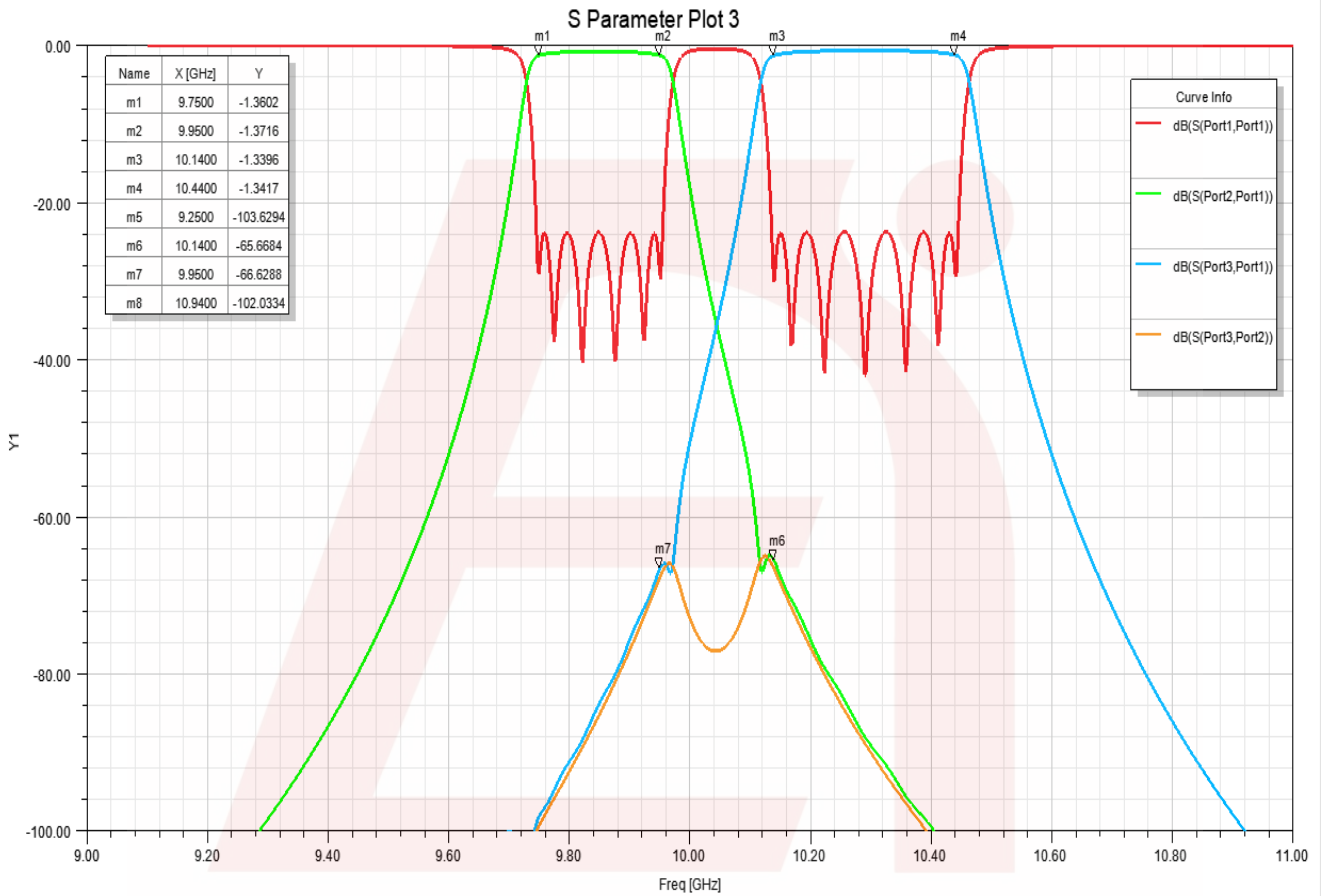


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Plot:



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