



10140-10440 MHz / 14400-14830 MHz Cavity Duplexer

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

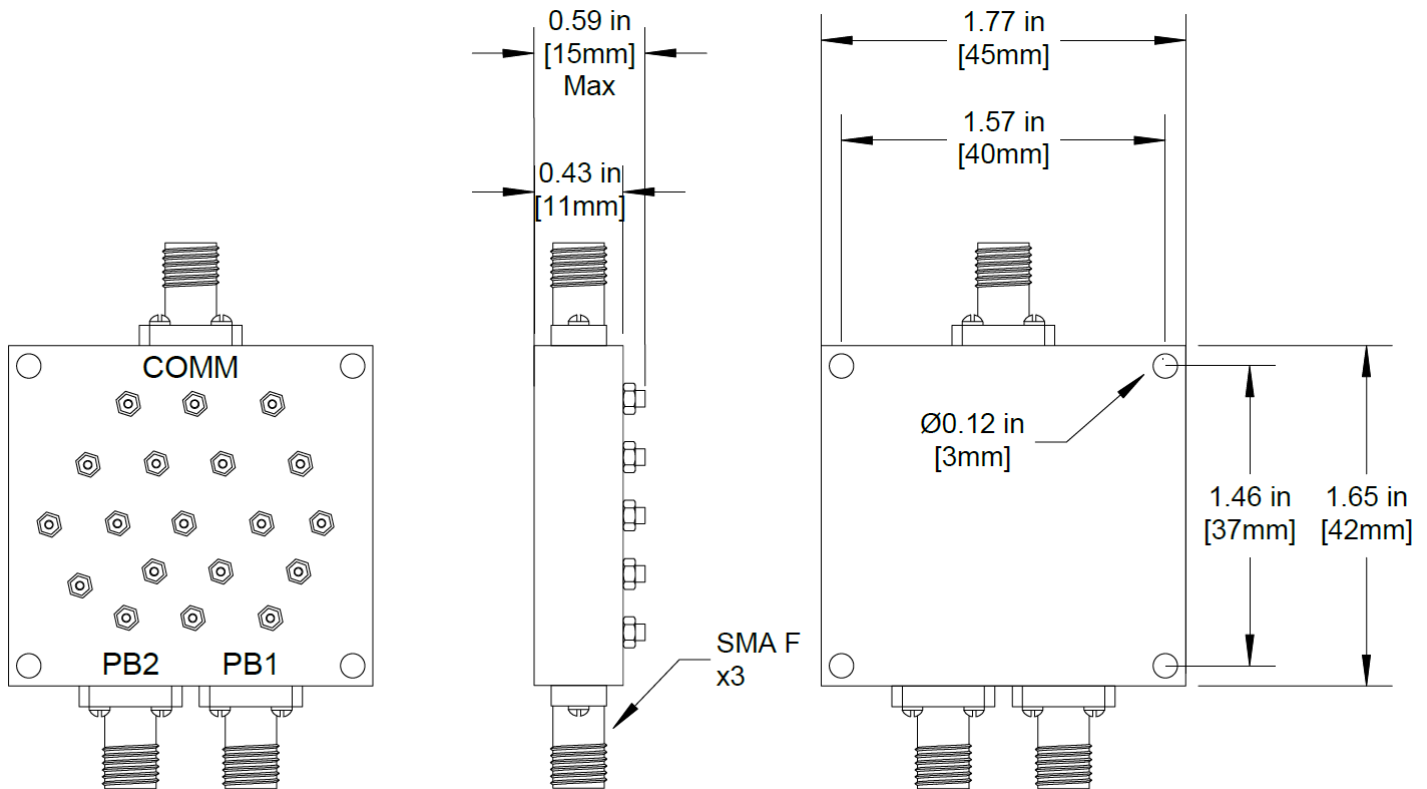
Part Number: AE10290-14615DB5538



Characteristics	PB1 – Low Band (RX)	PB2 – High Band (TX)
Passband:	10140 – 10440 MHz	14400 – 14830 MHz
Insertion Loss:	2.5 dB Max	2.5 dB Max
Return Loss:	14 dB Min	14 dB Min
Rejection:	40 dB Min @ 100 – 9950 MHz	40 dB Min @ 15150 – 20000 MHz
Isolation:	40 dB Min	
Impedance:	50 Ohms In/Out	
Power Handling:	20 W Average Max	

Mechanical	
Connector Type:	SMA Female
Dimensions:	1.77 x 1.65 x 0.59 in. 45 x 42 x 15 mm
Environmental	
Operating Temp.:	-40 to +70 deg.C
Storage Temp.:	-55 to +85 deg.C
Shock:	20 G. 11ms
Vibration:	20 G. 5 to 200 Hz

Outline Drawing:



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

DS-DB5538-02162023-Rev1

*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.



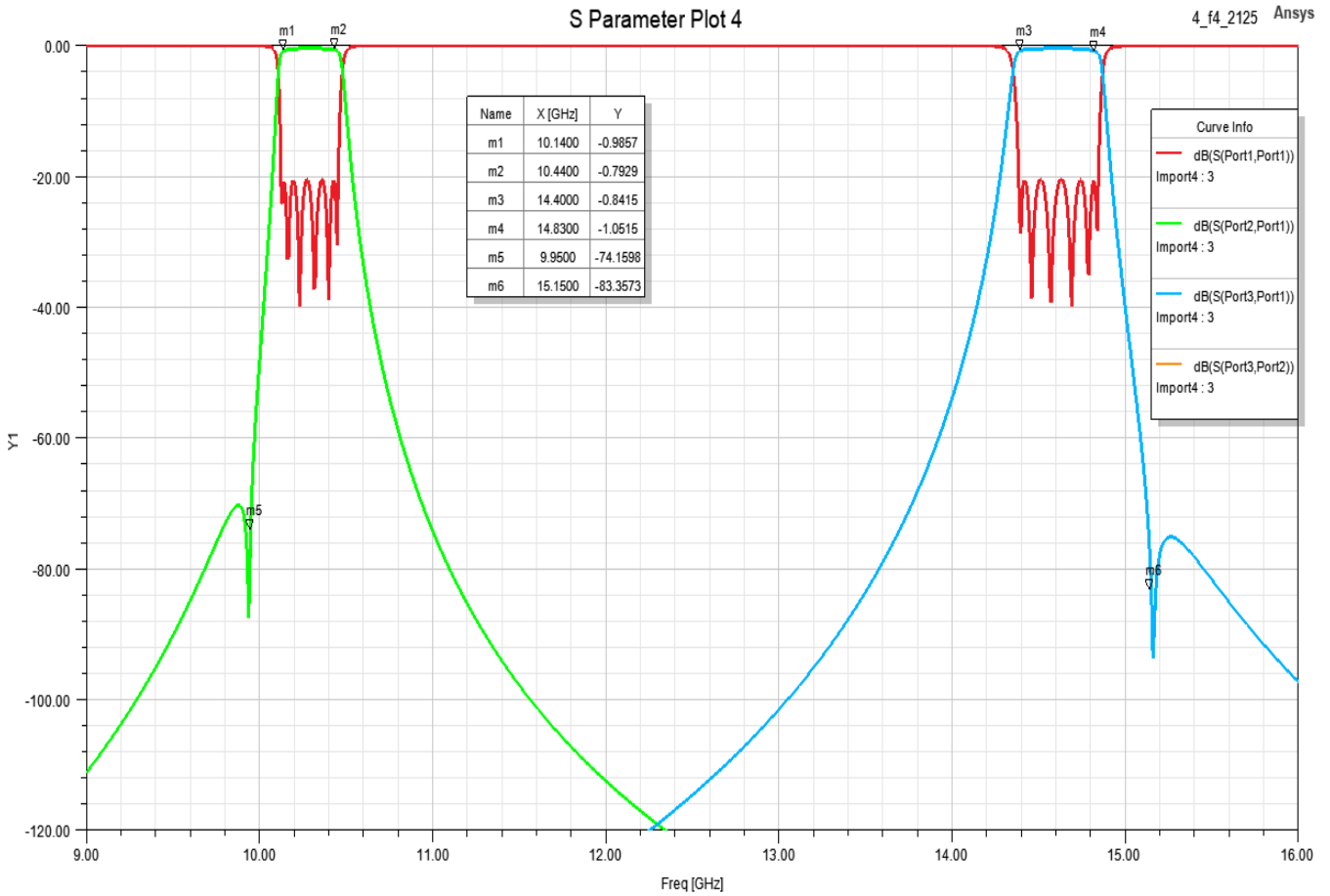
10140-10440 MHz / 14400-14830 MHz
Cavity Duplexer

Part Number: AE10290-14615DB5538



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Plot:



DS-DB5538-02162023-Rev1