



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

4400 - 5150 MHz / 5450 - 5650 MHz

Cavity Diplexer

Part Number: AE4775-5550DB5567



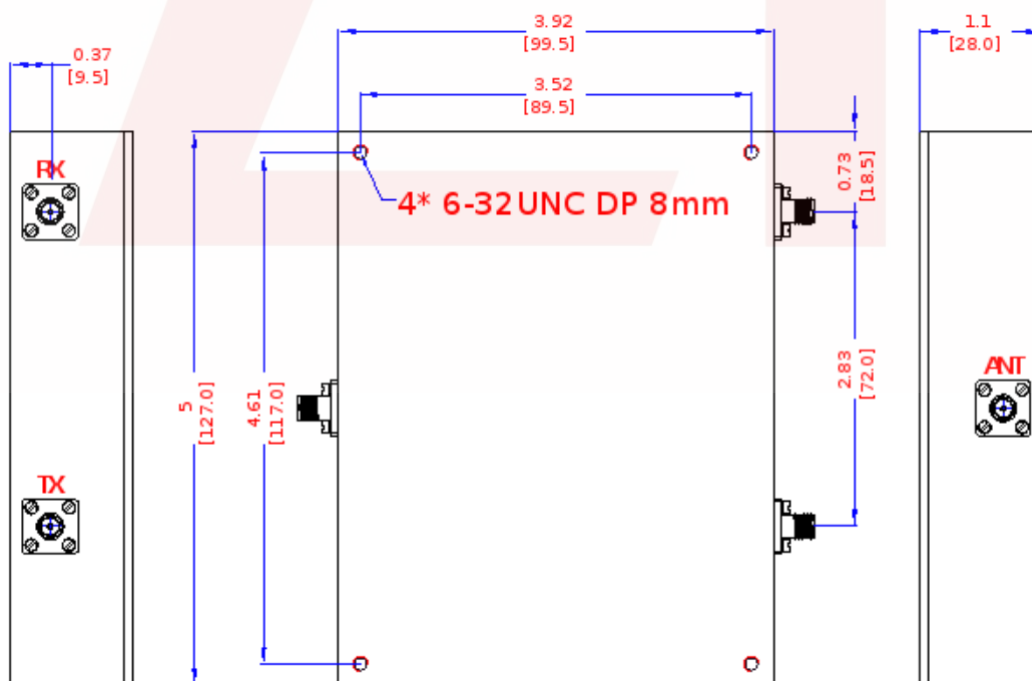
Characteristics	ANT - RX		ANT - TX	
Passband Frequency:	4400 - 5150 MHz		5450 – 5650 MHz	
Passband Insertion Loss:	2.0 dB Max		2.0 dB Max	
Passband Return Loss:	14 dB Min		14 dB Min	
Rejection:	90 dB Min @ 4350 MHz		90 dB Min @ 5700 MHz	
Isolation:	90 dB Min @ 4400 - 5150 MHz 90 dB Min @ 5450 - 5650 MHz			
Input / Output Impedance:	50 Ohms			
Power Handling:	50 W CW			
Port Sign:	Port1: ANT	Port 2: RX	Port 3: TX	

Mechanical	
Mounting Method:	Threaded Holes
Connector Type:	SMA (F)
Dimensions:	5X 3.92 X 1.1 in 127.0 X 99.5 X 28.0 mm

Environmental	
Operating Temperature:	-40°C to +70°C
Storage Temperature:	-55°C to +85°C
Humidity:	95% RH at 40°C
Shock:	20 G. 11ms
Environment Class:	IP65

RoHS compliant

Outline Drawing:



All Dimensions in inches (mm)
Outline Tolerances ± 0.012 (mm)

DS-DB5567-04172025-Rev0



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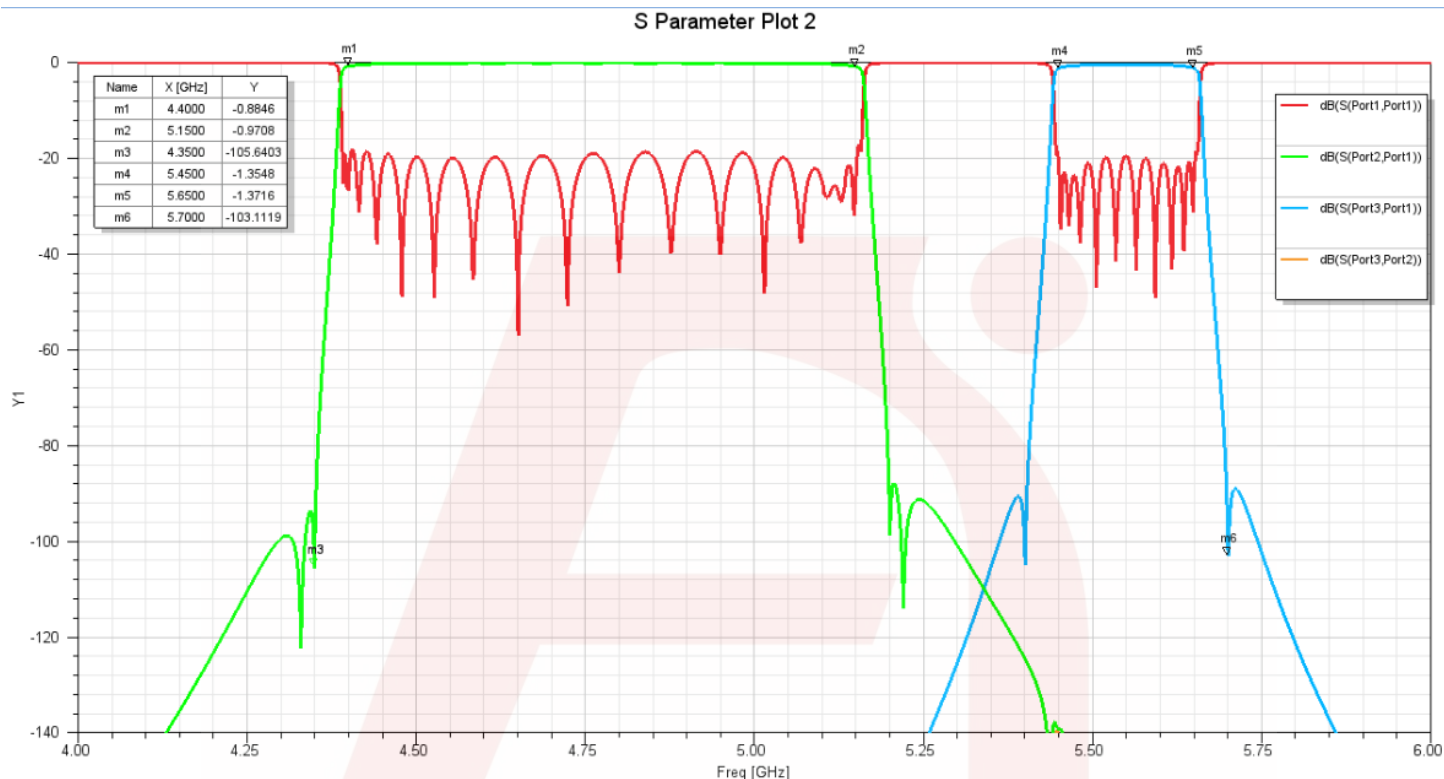
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Simulation Plot



Note: This is a simulation plot. Actual results may differ once the product is implemented.

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