



# 244-270/ 292-318 MHz LC Duplexer

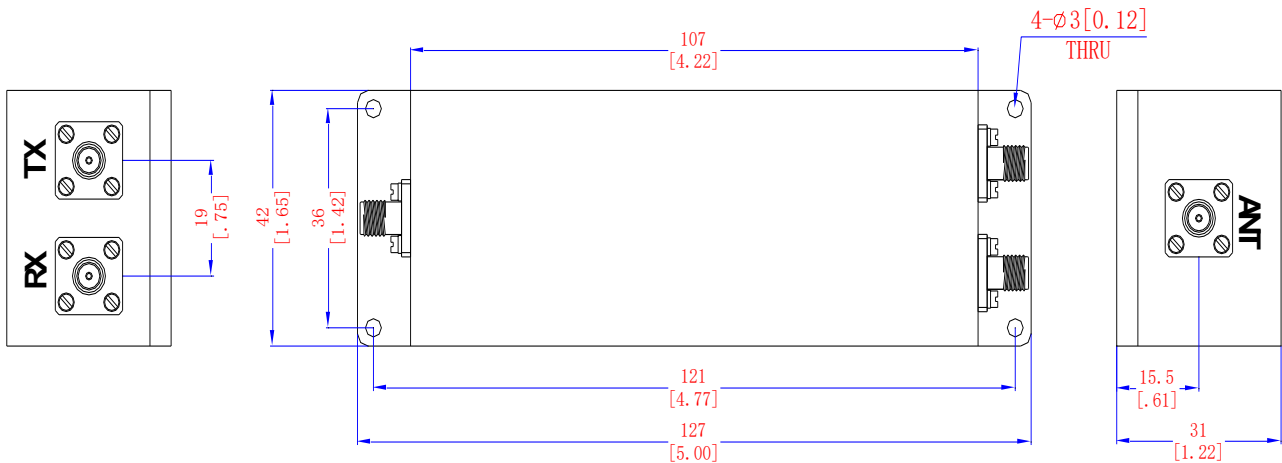


**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**Part Number: AE257-305DB5498**

Characteristics	Band 1(RX)	Band 2(TX)	Mechanical
Passband:	244-270 MHz	292-318 MHz	Mounting: 0.12" Thru holes
Bandwidth:	26 MHz	26 MHz	Connectors: SMA(F)
Return Loss:	14 dB Min.	14 dB Min.	Dimensions: 4.22" x 1.65" x 1.22"
Insertion Loss:	2.0 dB Max.	2.0 dB Max.	<b>Environmental</b> Operating Temperature: -40 to +70 deg.C Storage Temperature: -55 to +85 deg.C Shock: 20 G, 11ms Vibration: 20 G, 5 to 200Hz
Rejection:	38 dB Min @ 292-318 MHz 38 dB Min @ 244-270 MHz		
Port assignment	Port 1: ANT	Port 2: RX Port 3: TX	
Power Handling:	20 Watts		
Impedance:	50 Ohms		

## 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.



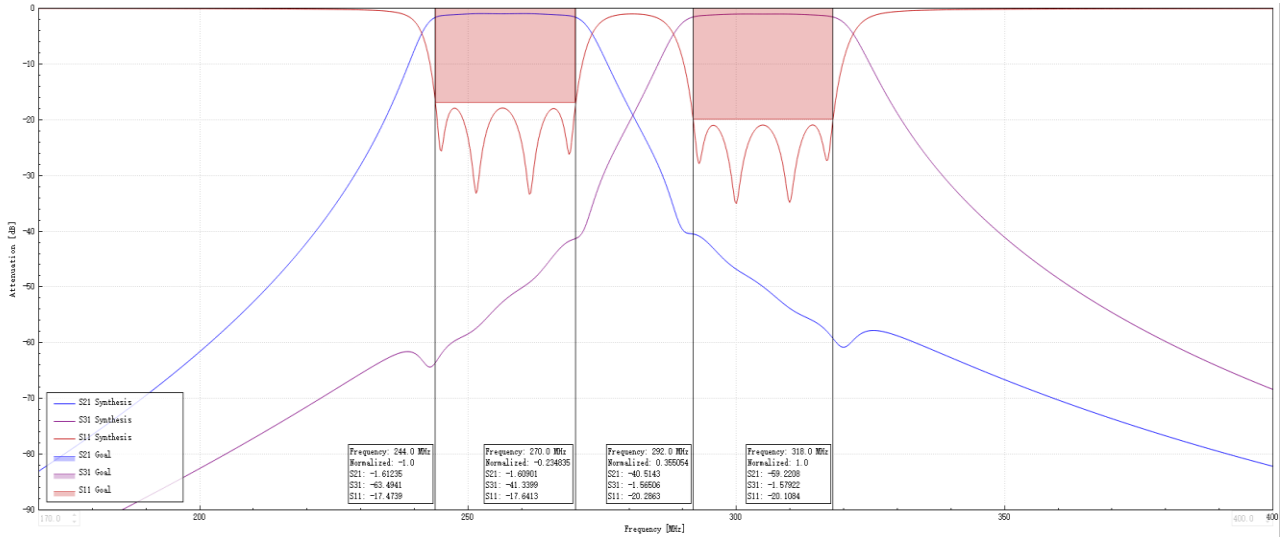
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### Simulation Plot



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