



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Antenna Diplexer

Dual Band BPF-BPF Diplexer

Part Number: AE256-370-306DBP/BP6732



ELECTRICAL SPECIFICATIONS

RECEIVE CHANNEL CHARACTERISTICS, J1-J2

Passband Insertion Loss	
243-270 MHz	1.5 dB max.
360-380 MHz	1.5 dB max.
VSWR 243-270, 360-380 MHz	1.5:1 max.
Stopband	
0-200 MHz	80 dB min.
200-220 MHz	50 dB min.
290-322 MHz	100 dB min.
322-333 MHz	50 dB min.
425-945 MHz	85 dB min.
945-1300 MHz	30 dB min.
Isolation J3 - J2	
0-230 MHz	85 dB min.
243-265 MHz	80 dB min.
265-270 MHz	75 dB min.
290-322 MHz	95 dB min.
360-400 MHz	80 dB min.
400-1050 MHz	85 dB min.
1050-1300 MHz	50 dB min.

TRANSMIT CHANNEL CHARACTERISTICS, J3-J1

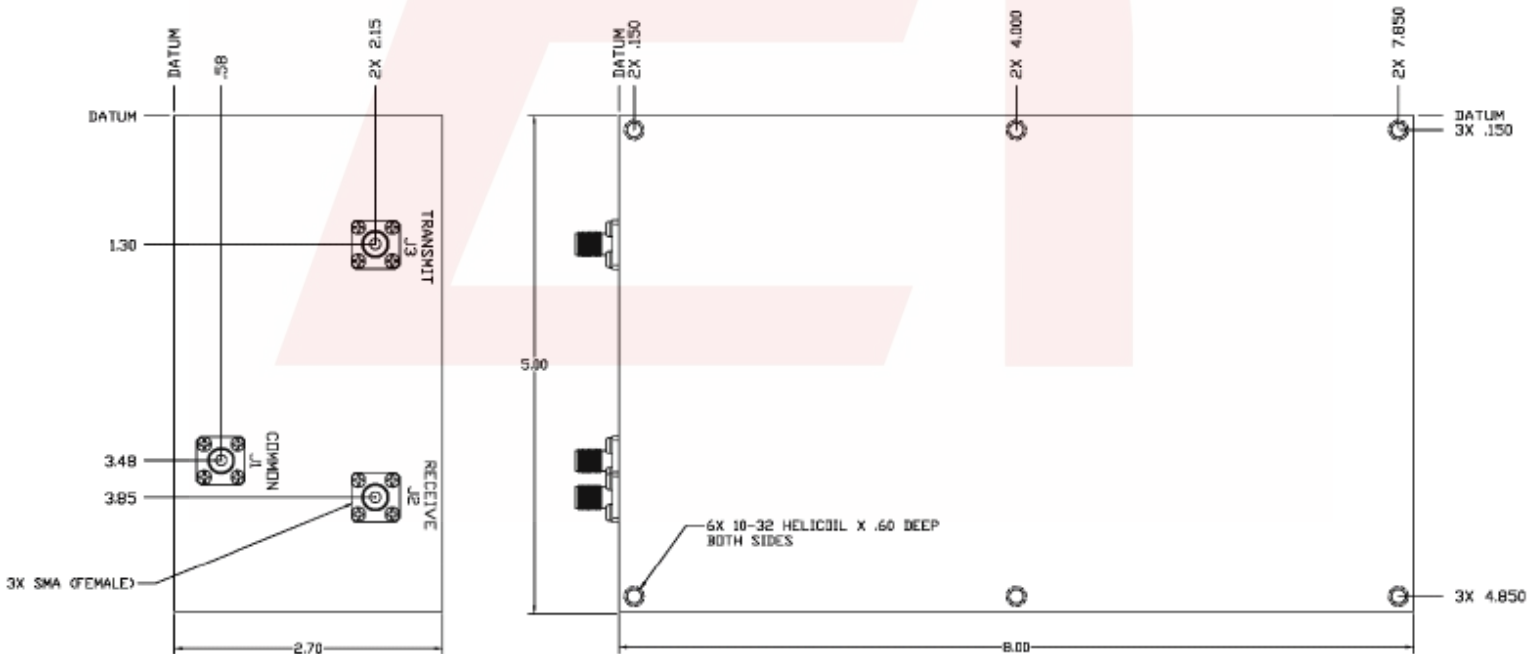
Passband Insertion Loss	0.8 dB nom., 1.0 dB max.
290-322 MHz	1.5:1 max.
VSWR, 290-322 MHz	250 W CW
Input Power, max. (15,000 ft.)	
Stopband	
0-230 MHz	90 dB min.
243-265 MHz	80 dB min.
265-270 MHz	75 dB min.
340-360 MHz	50 dB min.
360-400 MHz	80 dB min.
400-1050 MHz	85 dB min.
1050-1300 MHz	30 dB min.

GENERAL CHARACTERISTICS

Environment	Airborne/Shipboard*
Weight	4 lbs. 6 oz. max.
Size, excluding connectors	8.00" x 5.00" x 2.70"
Connectors	SMA (Female)

* Not Exposed to Weather

Outline Drawing:



DS-DBP/BP6732-12062023-Rev0



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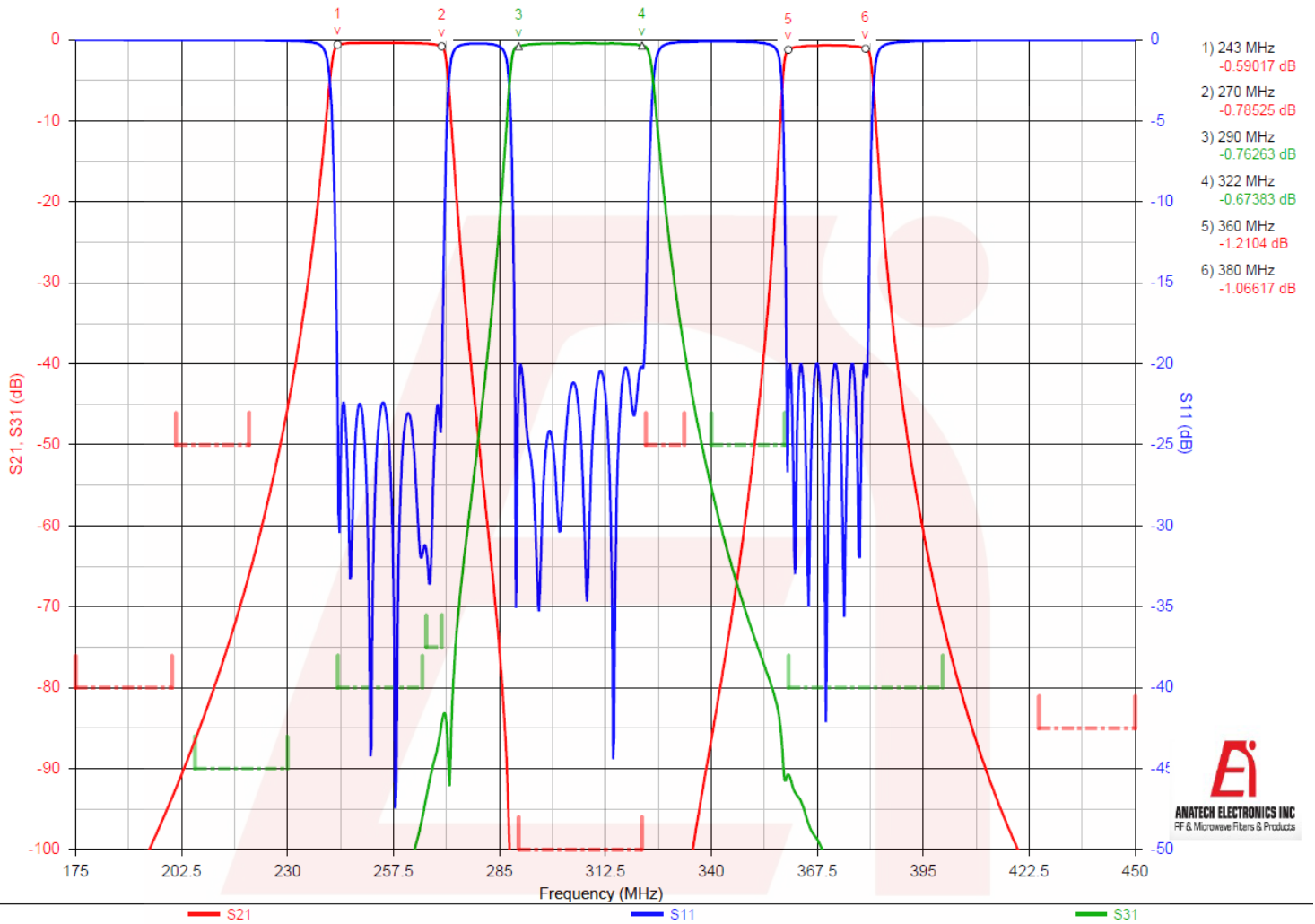
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Simulation Plot:



This is a simulated response. Actual results may vary.

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