



1450-1650 MHz / 4000-6000 MHz Diplexer

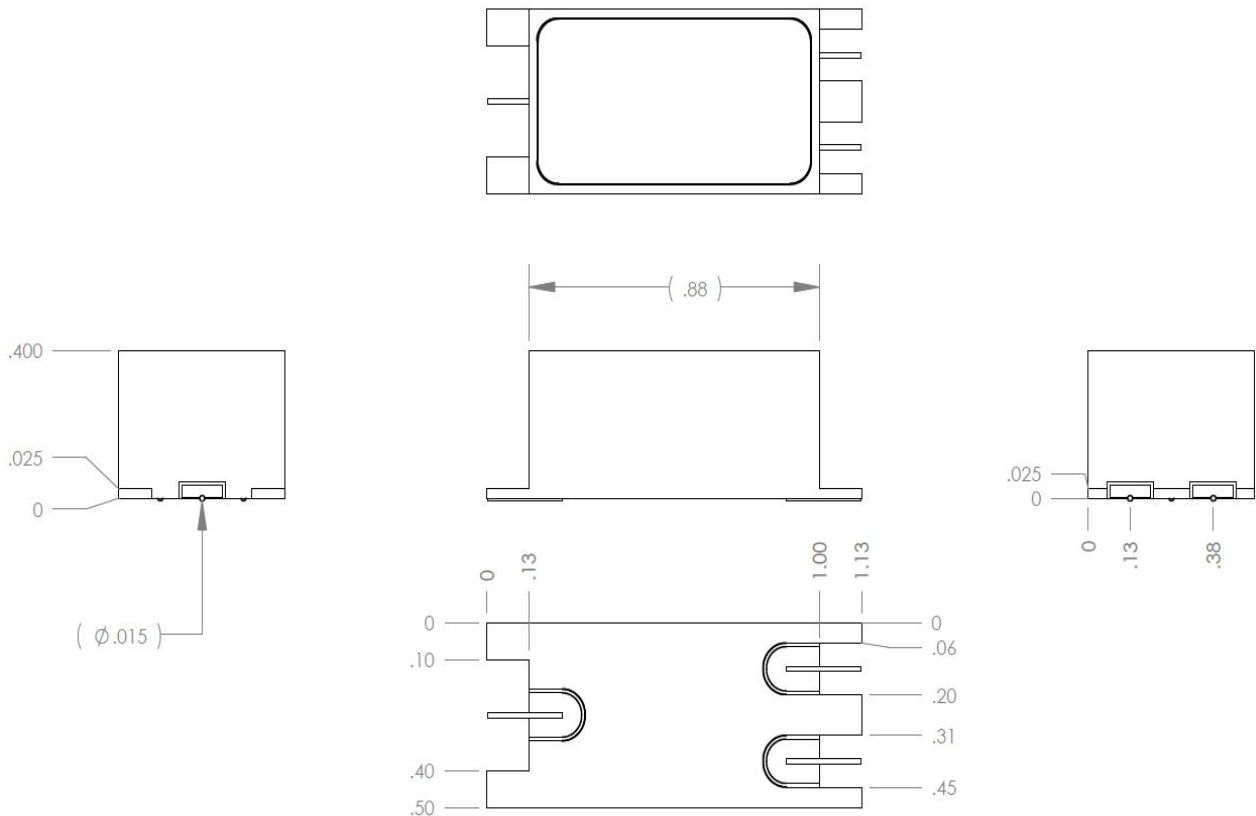


ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AE1650-4000DP8001

<u>Characteristics</u>	<u>Band 1(RX)</u>	<u>Band 2(TX)</u>	<u>Mechanical</u>	
Passband:	1450-1650 MHz	4000-6000 MHz	Mounting Method:	SMT
Bandwidth:	200 MHz	2000 MHz	Dimensions:	1.13 x 0.5 x 0.4 in.
Return Loss:	15 dB Min.	15 dB Min.	Environmental	
Insertion Loss:	1.0 dB Max.	1.0 dB Max.	Operating Temperature:	-40 to +70 deg.C
Isolation:	60 dB Min.	60 dB Min.	Storage Temperature:	-55 to +85 deg.C
Power Handling:	10 Watts	10 Watts	Shock:	10 G. 11ms
Input / Output Impedance:	50 Ohms	50 Ohms	Vibration:	10 G. 5 to 200Hz

Outline Drawing:



Tolerance: ± 0.01 inches [± 0.3 mm]

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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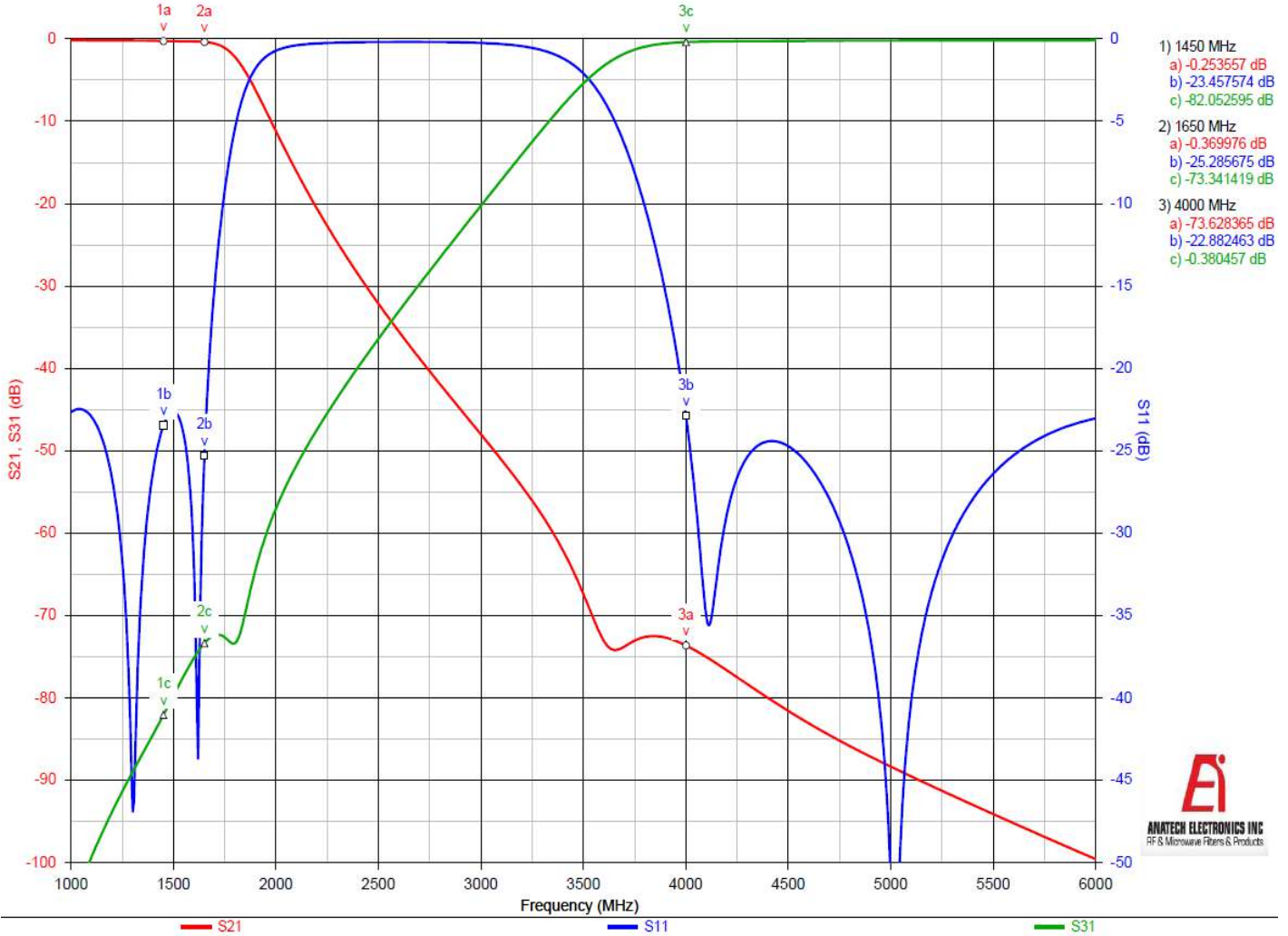
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Simulation Plot:

RFQ-20191030-DIP-1650-4000 MHz



- 1) 1450 MHz
 - a) -0.253657 dB
 - b) -23.457574 dB
 - c) -82.052595 dB
- 2) 1650 MHz
 - a) -0.369976 dB
 - b) -25.285675 dB
 - c) -73.341419 dB
- 3) 4000 MHz
 - a) -73.628365 dB
 - b) -22.882463 dB
 - c) -0.380457 dB



Note: This is a simulated response plot. Actual performance might differ.

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PCB Footprint:

