



0-900 MHz / 1100-2000 MHz LC Duplexer

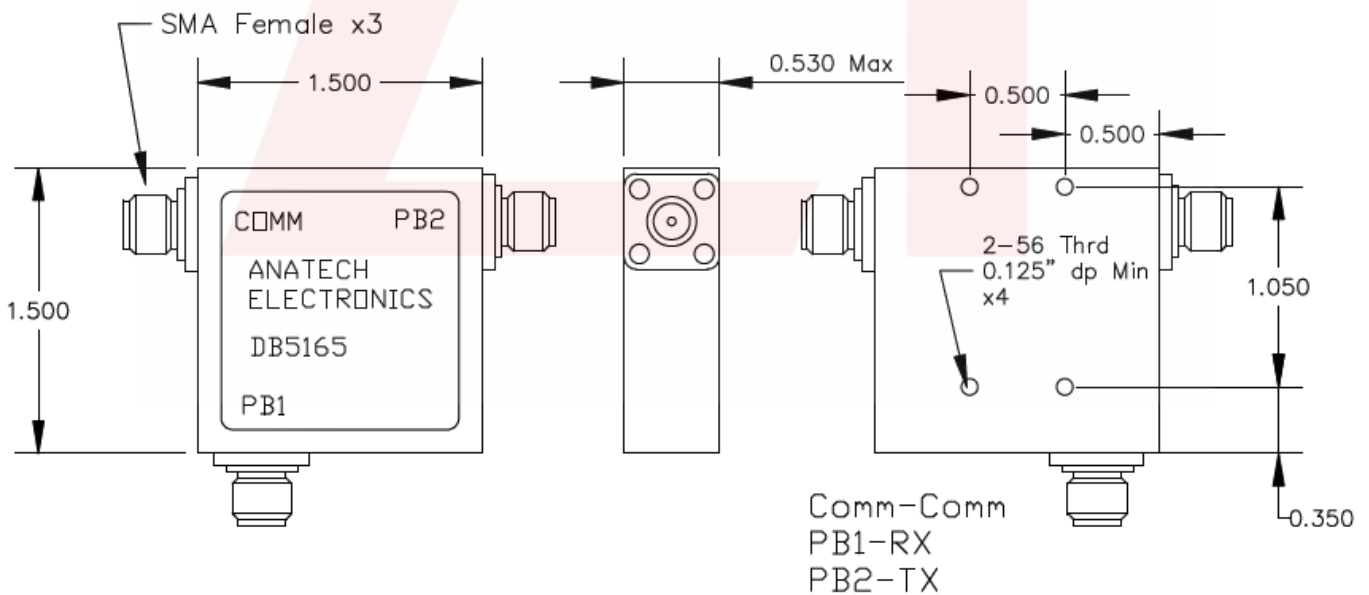


ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AE450-1550DB5165

Characteristics	Band 1(RX)	Band 2(TX)	Mechanical	
Passband:	0 - 900 MHz	1100-2000 MHz	Mounting:	2-56 Threaded Holes
Bandwidth:	900 MHz	900 MHz	Connectors:	SMA(F)
Return Loss:	10 dB Min.	10 dB Min.	Dimensions:	1.5 x 1.5 x 0.53 in.
Insertion Loss:	1.5 dB Max.	1.5 dB Max.	Environmental	
Rejection:	45 dB Min @ 1200-2000MHz 45 dB Min @ 0 – 800 MHz		Operating Temperature:	-40 to +70 deg.C
X over Insertion Loss:	5.0 dB Max @ 990 – 1010 MHz	5.0 dB Max @ 990 – 1010 MHz	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 [+/- 0.3mm]

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.

DS-B5165-04282020-Rev0



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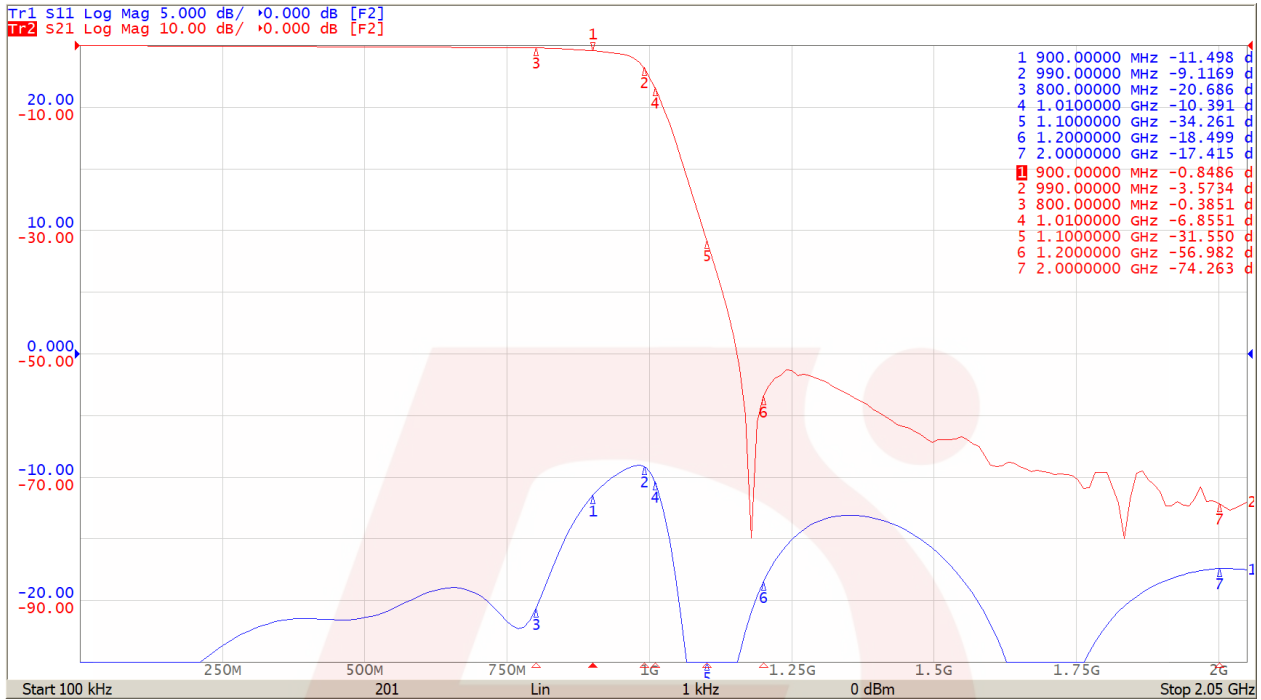


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Response Plot:

RX:



TX:



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