



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

4400-4625 MHz / 4775-5000 MHz
Cavity Duplexer
Part Number: AE4512-4887DB5502

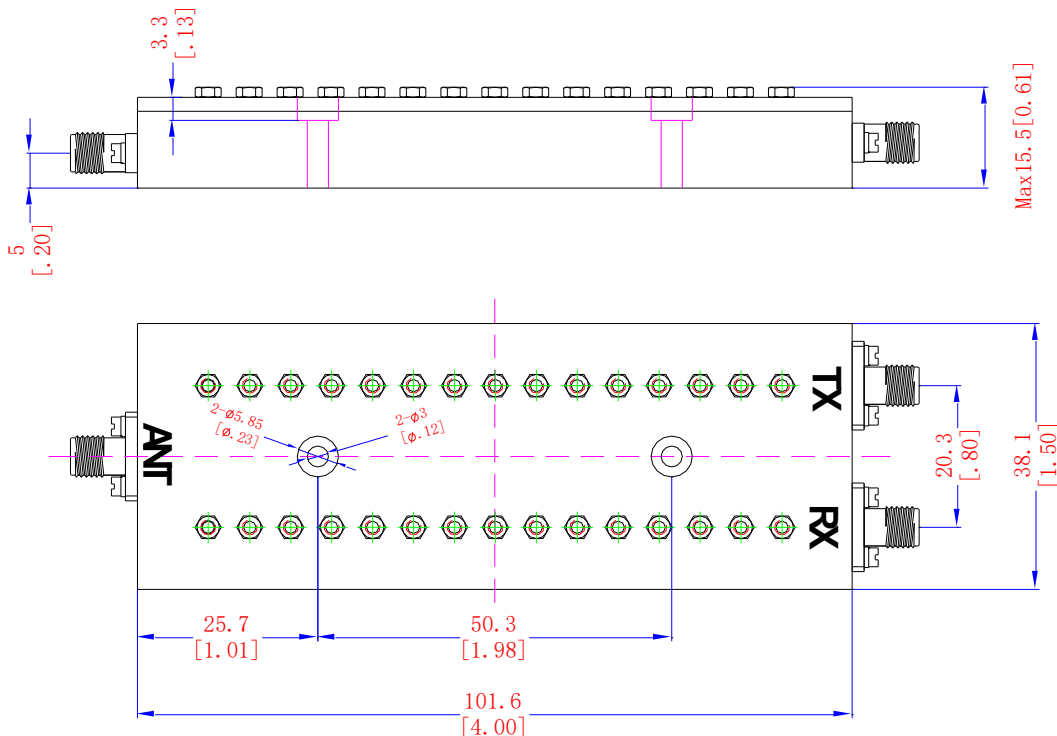


Characteristics	Band 1 (RX)	Band 2 (TX)
Passband:	4400- 4625 MHz	4775-5000 MHz
Bandwidth:	225 MHz	225 MHz
Passband Return Loss:	≥15 dB	≥15 dB
Passband Insertion Loss:	≤1.0 dB	≤1.0 dB
Passband Ripple:	≤0.2 dB	≤0.2 dB
Input / Output Impedance:	50 Ohms	50 Ohms
Rejection (Min.)	60dB @ DC-4100 50dB @ 4775MHz-10GHz	50dB@DC-4625MHz 60dB@5300MHz-10GHz
Power Handling:	35 Watts	35 Watts

Mechanical	
Mounting Method:	4-40 Threaded Mounting Holes
Connector Type:	SMA (F)
Dimensions:	4.00" x 1.5" x .61"

Environmental	
Operating Temp.:	-40 to +70 deg.C
Storage Temp.:	-50 to +90 deg.C

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.