



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

964-1010 MHz / 1110-1156 MHz
Cavity Duplexer
Part Number: AE987-1133DB5503

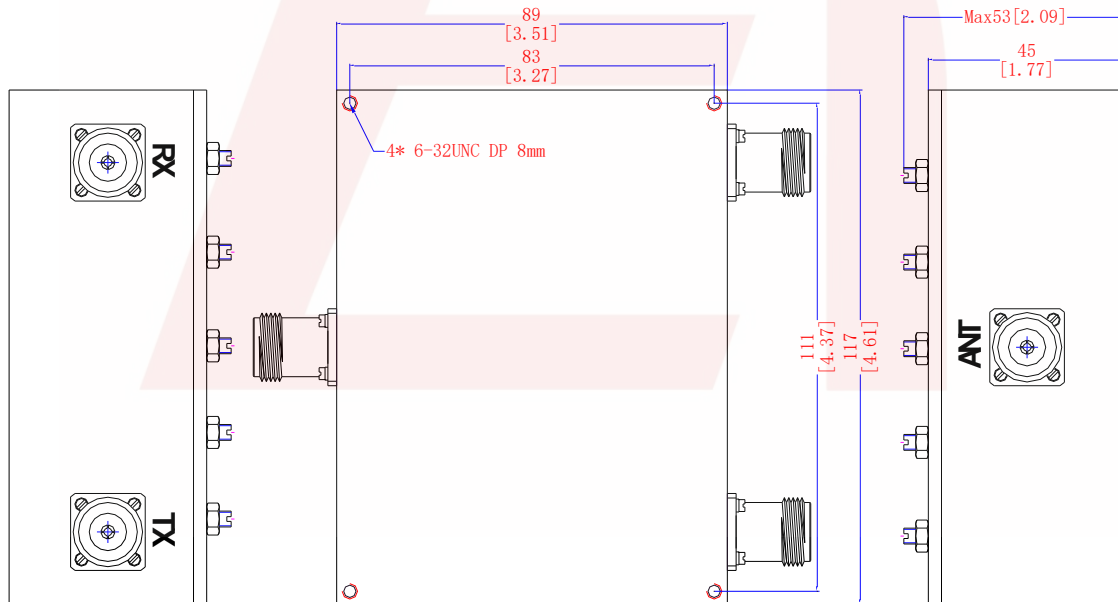


| <u>Characteristics</u> | <u>Band 1 (RX)</u> | <u>Band 2 (TX)</u> |
|----------------------------------|--------------------|--------------------|
| Passband: | 964-1010 MHz | 1110-1156 MHz |
| Bandwidth: | 46 MHz | 46 MHz |
| Passband Return Loss: | ≥15 dB | ≥15 dB |
| Passband Insertion Loss: | <1.5 dB | <1.5 dB |
| Passband Ripple: | ≤0.2 dB | ≤0.2 dB |
| Input / Output Impedance: | 50 Ohms | 50 Ohms |
| Isolation (Min.) | 60 dB @ RX/TX | |
| Power Handling: | 25 Watts | 25 Watts |

| <u>Mechanical</u> | |
|-------------------------|---|
| Mounting Method: | 6-32 Threaded Mounting Holes |
| Connector Type: | N Type (F) |
| Dimensions: | 4.61" x 3.51" x 2.09" 117 x 89 x 53 mm |

| <u>Environmental</u> | |
|-------------------------|------------------|
| 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. DS-DB5503-06302020-Rev0

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.