



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

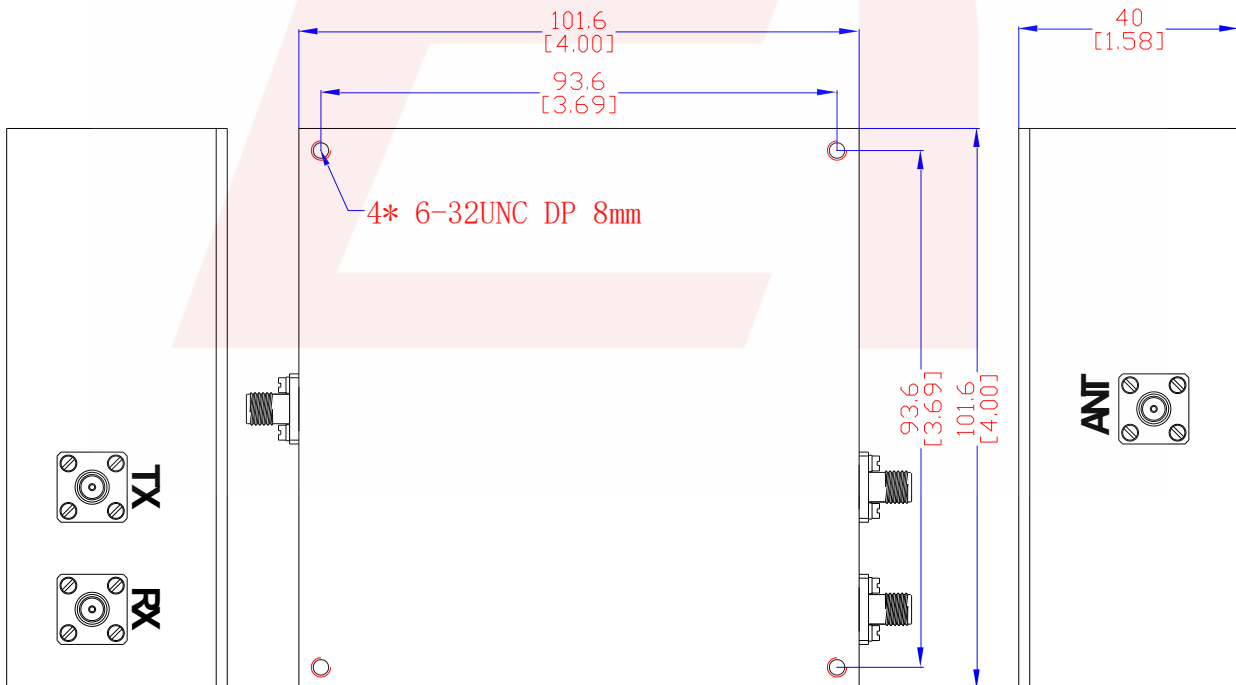
2090 / 2250 MHz Cavity Duplexer

Part Number: AE2090-2250DB5545



| <u>Characteristics</u> | <u>Band 1(RX)</u> | <u>Band 2(TX)</u> | <u>Mechanical</u> | |
|----------------------------------|----------------------|----------------------|-------------------------------|----------------------|
| Passband: | 2050 – 2130 MHz | 2200 – 2300 MHz | Mounting: | 2-56 Threaded Holes |
| Bandwidth: | 80 MHz | 100 MHz | Connectors: | SMA(F) |
| Insertion Loss: | 1.0 dB Max | 1.0 dB Max | Dimensions: | 4.0 x 4.0 x 1.58 in. |
| Return Loss: | 15 dB Min | 15 dB Min | Environmental | |
| Isolation: | 60 dB Min | | Operating Temperature: | -40 to +70 deg.C |
| Rejection: | 30 dB Min @ 2000 MHz | 30 dB Min @ 2330 MHz | Storage Temperature: | -55 to +85 deg.C |
| Input / Output Impedance: | 50 Ohms | | Shock: | 20 G. 11ms |
| Power Handling: | 30 W Average Max | | Vibration: | 20 G. 5 to 200Hz |

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]

Angles: +/- 1 Deg.

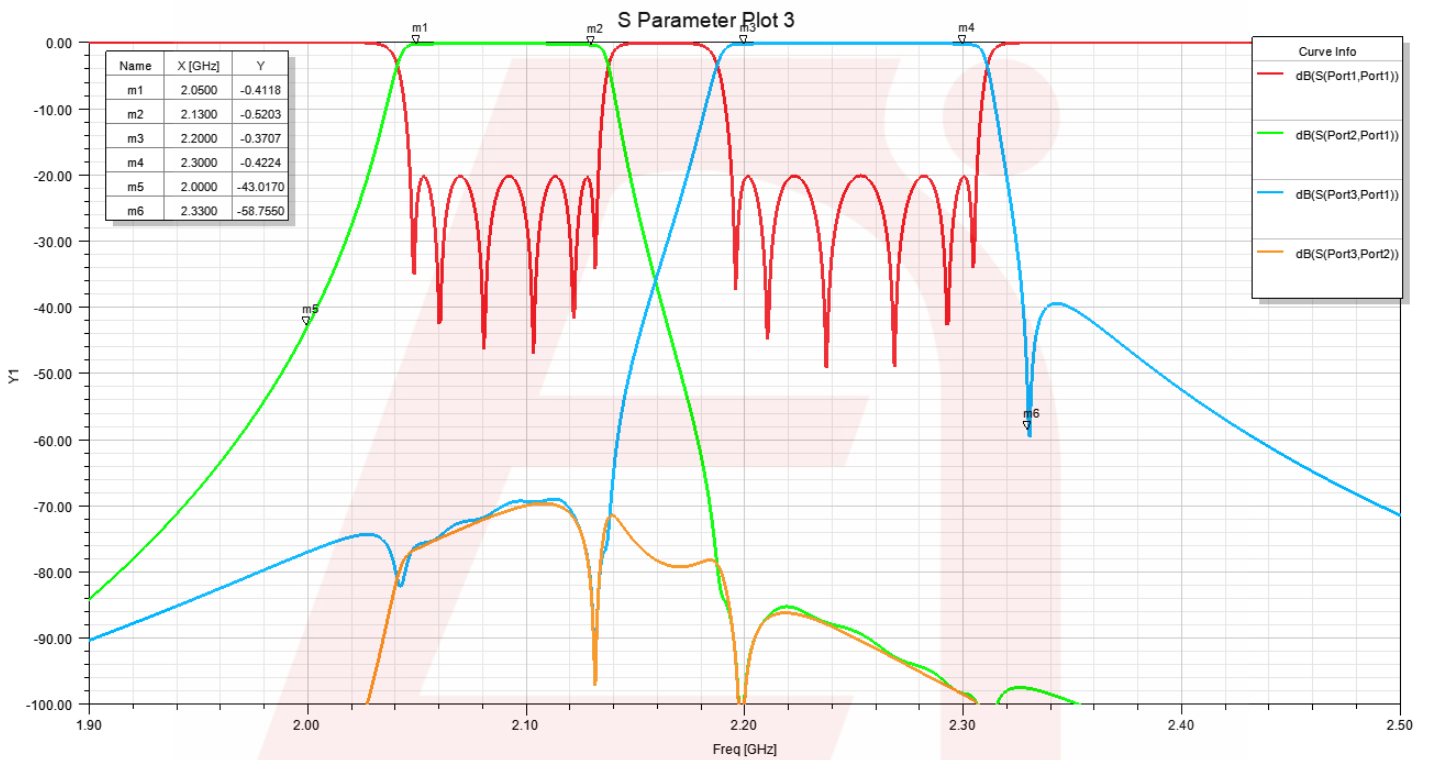
*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

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

DS-DB5545-09152023-Rev0



Simulation Plot:



Note: This is a simulation Plot. Actual response plot might differ once product is manufactured.