



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**762-771 / 792-801 MHz**

**Cavity Diplexer**

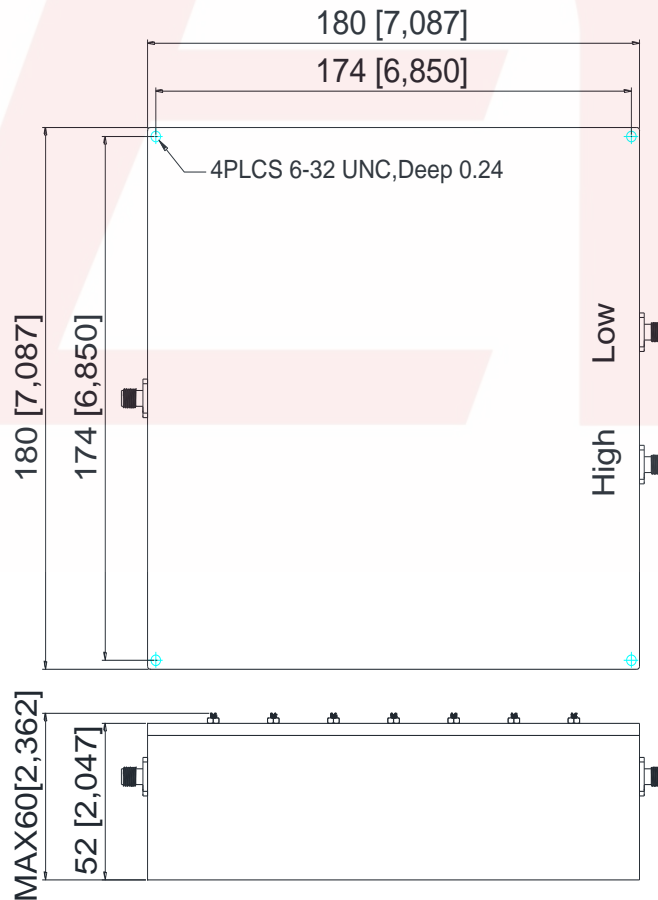
**Part Number: AE766-796DP5452**



<u>Characteristics</u>	<u>Low Band</u>	<u>High Band</u>
<b>Frequency:</b>	762 – 771 MHz	792 – 801 MHz
<b>Insertion loss:</b>	2.0 dB Max	2.0 dB Max
<b>Return Loss:</b>	12 dB Min	12 dB Min
<b>Rejection:</b>	60 dB Min @ DC – 757.5 MHz 60 dB Min @ 775.5 – 1000 MHz	60 dB Min @ DC – 787.5 MHz 60 dB Min @ 805.5 – 1000 MHz
<b>Impedance:</b>	50 Ohms In/Out	
<b>Power Handling:</b>	50 W Max	

<u>Mechanical</u>	
<b>Connector Type:</b>	SMA (F)
<b>Dimensions:</b>	7.08 x 7.08 x 2.36 in 180 x 180 x 60 mm
<u>Environmental</u>	
<b>Operating Temperature:</b>	-45 to +60 deg.C
<b>Storage Temperature:</b>	-55 to +85 deg.C
<b>Shock:</b>	20 G. 11ms
<b>Vibration:</b>	20 G. 5 to 200 Hz

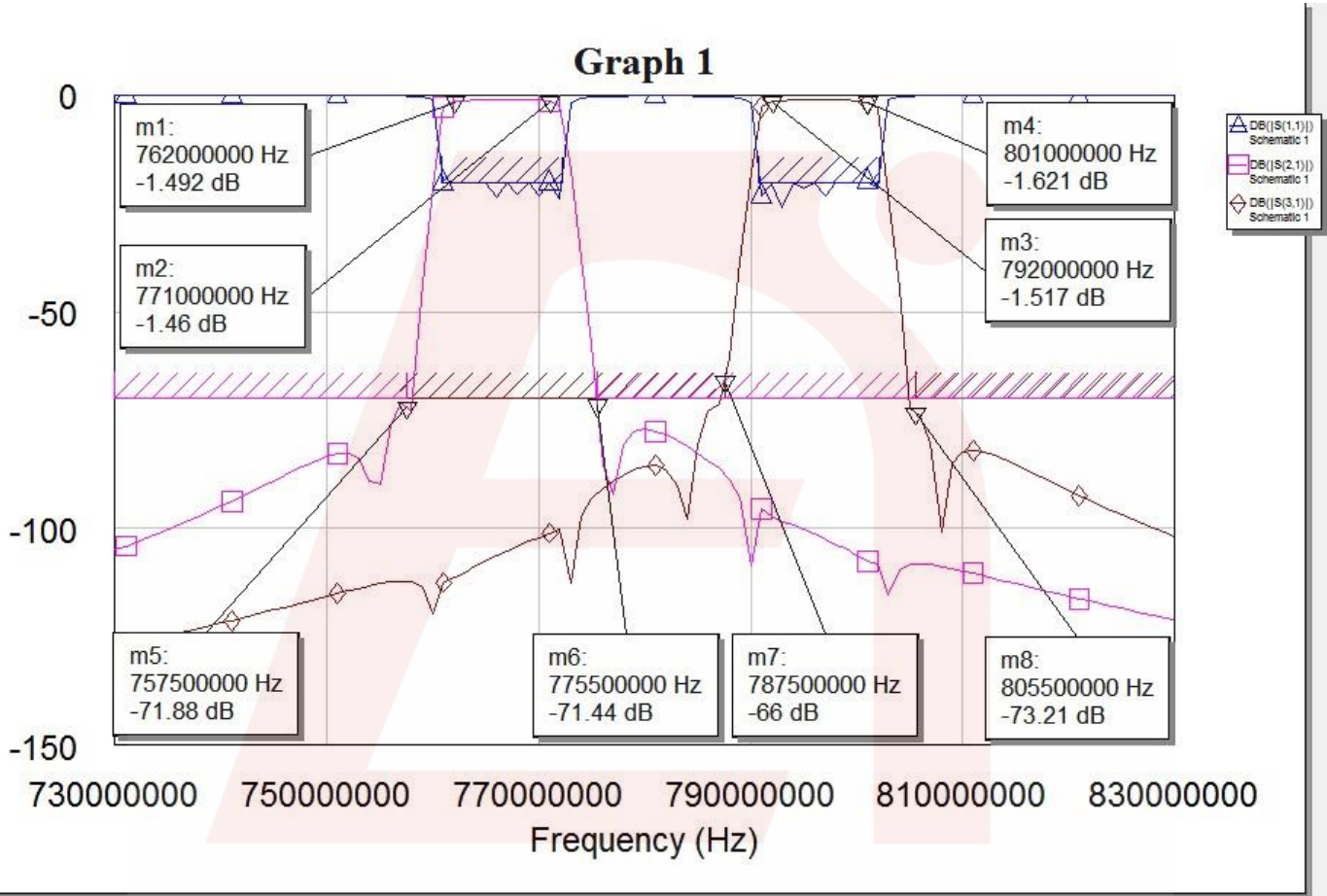
**Outline drawing:**



DS-DP5452-03142024-Rev0



**Simulated Plot:**



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