



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

**Preliminary Datasheet**  
**401 MHz/ 432 MHz LC Diplexer**  
**Part Number: AE401-432LDP5454**

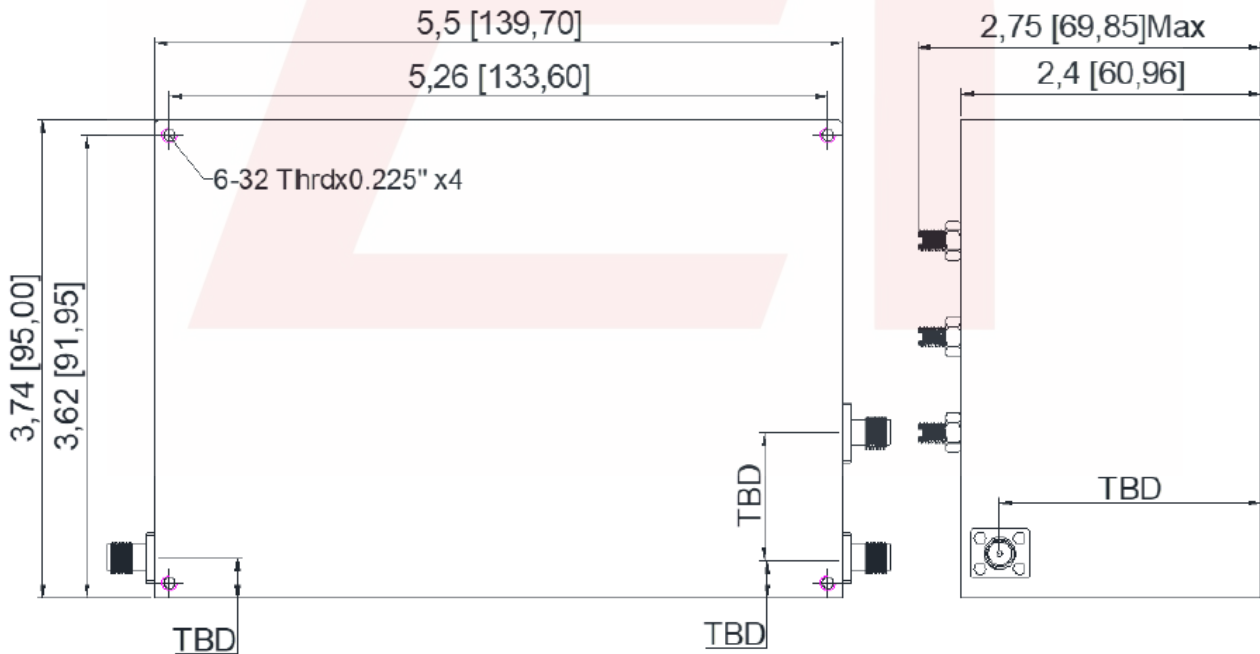


<u>Characteristics</u>	<u>Low Band</u>	<u>High Band</u>
<b>Frequency:</b>	399-401 MHz	432-2100 MHz
<b>Insertion loss:</b>	1.0 dB Max	1.0 dB Max
<b>Return Loss:</b>	15 dB Min	15 dB Min
<b>Isolation:</b>	80 dB Min	80 dB Min
<b>Impedance:</b>	50 Ohms In/Out	
<b>Power Handling:</b>	30 W CW Max	

<u>Mechanical</u>	
<b>Connector Type:</b>	SMA (F)
<b>Dimensions:</b>	5.5 x 3.74 x 2.4 in 139.70 x 95 x 69.85 mm

<u>Environmental</u>	
<b>Operating Temperature:</b>	0 to +60°C
<b>Storage Temperature:</b>	-45 to +85°C
<b>Shock:</b>	20 G. 11ms
<b>Vibration:</b>	20 G. 5 to 500 Hz

**Outline drawing:**



DS-DP5454-07312024-Rev2

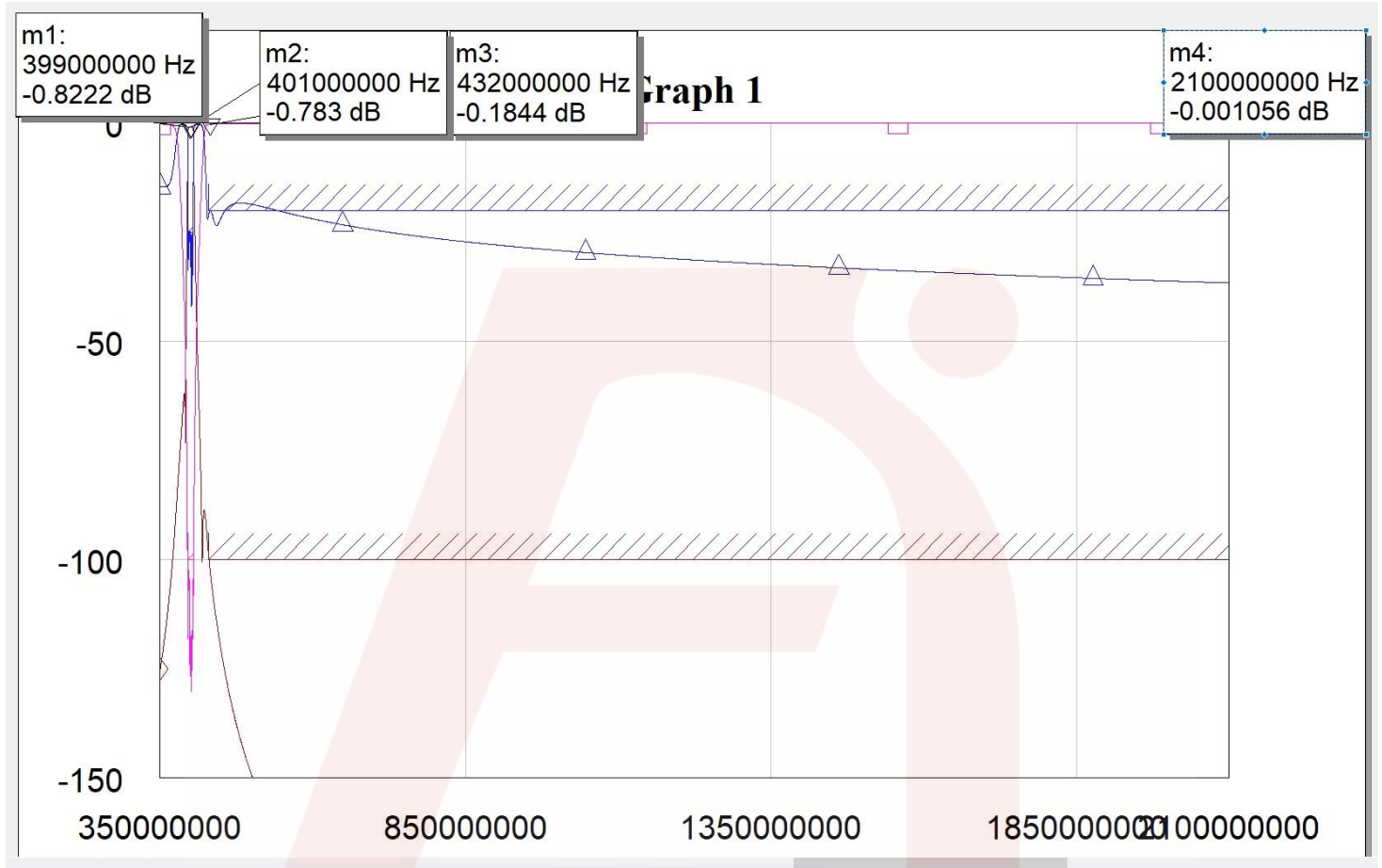


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**Simulated Curved Plot:**

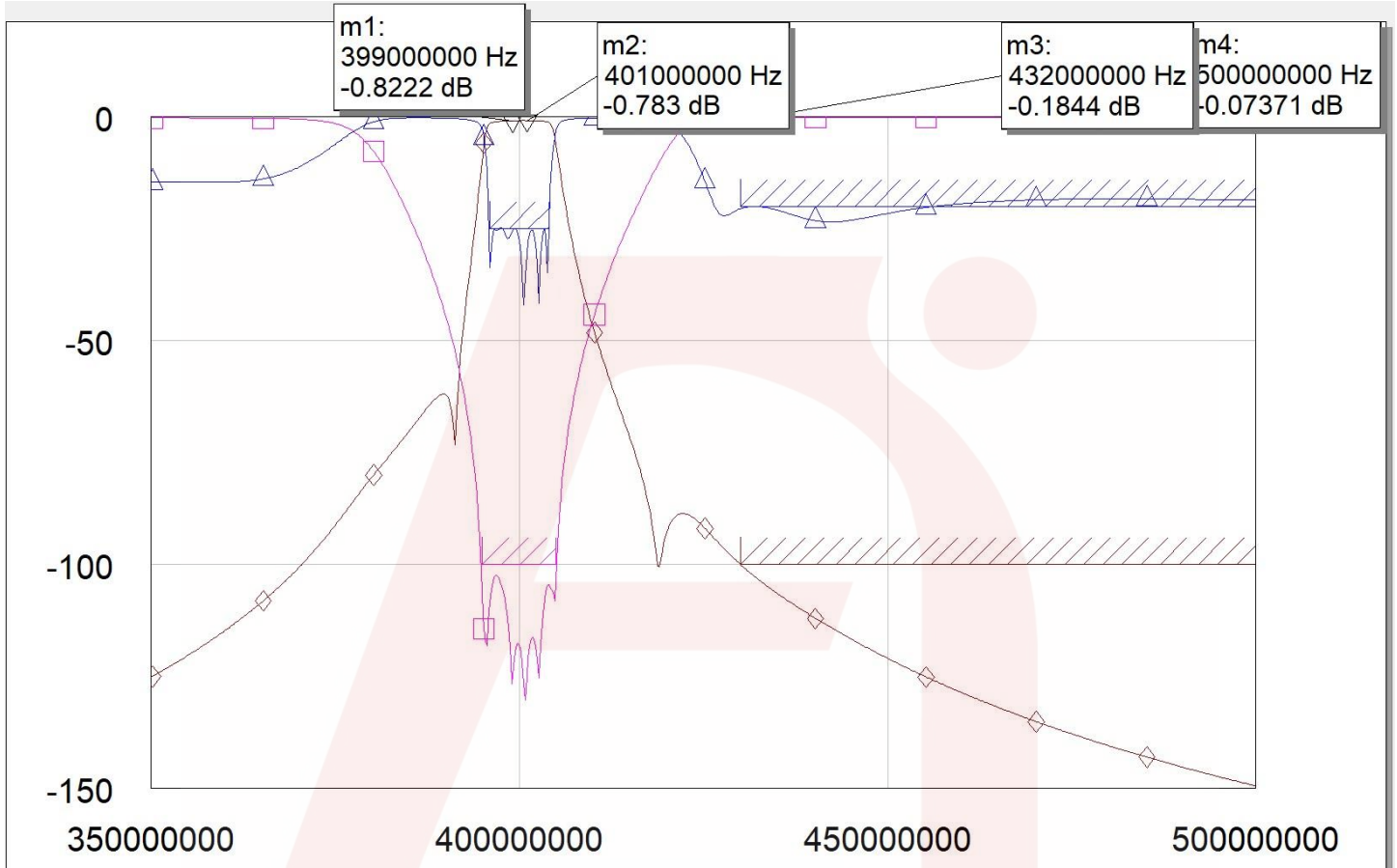


Note: This is a simulation plot. Actual results may differ once the product is implemented.

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**Simulated Curved Plot:**



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