



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

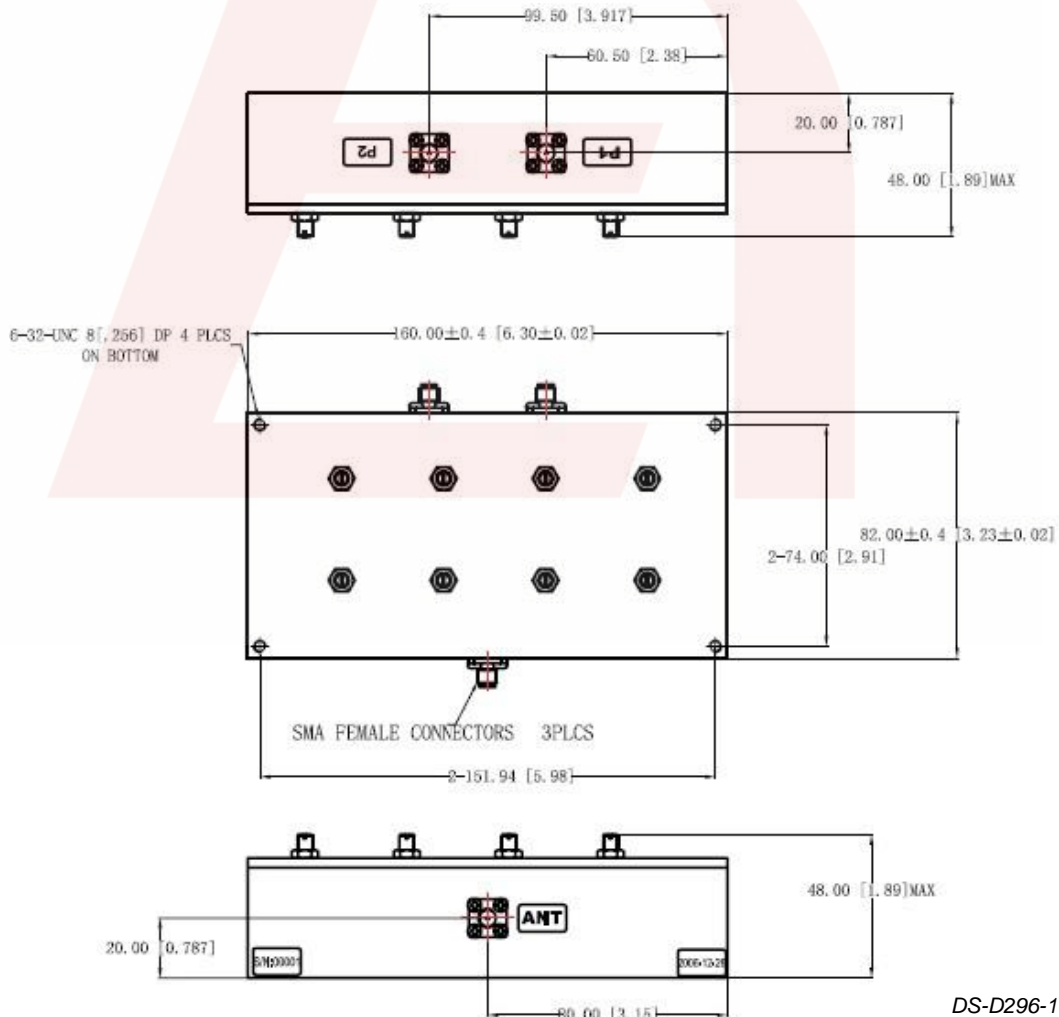
**1524-1560 MHz/1626.5-1660.5  
MHz Cavity Duplexer**  
**Part Number: AD1542-1643D296**



<u>Characteristics</u>	<u>Band 1 (P1)</u>	<u>Band 2 (P2)</u>
<b>Passband:</b>	1524-1560 MHz	1626.5-1660.5 MHz
<b>Bandwidth:</b>	36 MHz	34 MHz
<b>Passband Return Loss:</b>	15 dB	15 dB
<b>Passband Insertion Loss:</b>	1 dB	1 dB
<b>Passband Ripple:</b>	0.2 dB	0.2 dB
<b>Input / Output Impedance:</b>		
<b>Isolation:</b>	> 40 dB	> 40 dB
<b>Power Handling:</b>	40 W max.	40 W max.

<u>Mechanical</u>	
<b>Mounting Method:</b>	6-32 Threaded Mounting Holes
<b>Connector Type:</b>	SMA (F)
<b>Dimensions:</b>	160 x 82 x 48 mm
<u>Environmental</u>	
<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Storage Temperature:</b>	-50 to +90 deg.C
<b>Shock:</b>	20 G. 11ms
<b>Vibration:</b>	20 G. 5 to 200 Hz

**Outline Drawing:**



DS-D296-10212015-Rev0