



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

**1735-1760 MHz / 1830-1855 MHz  
-GSM-Cavity Duplexer**

**Part Number: AE1747-1842DB170**

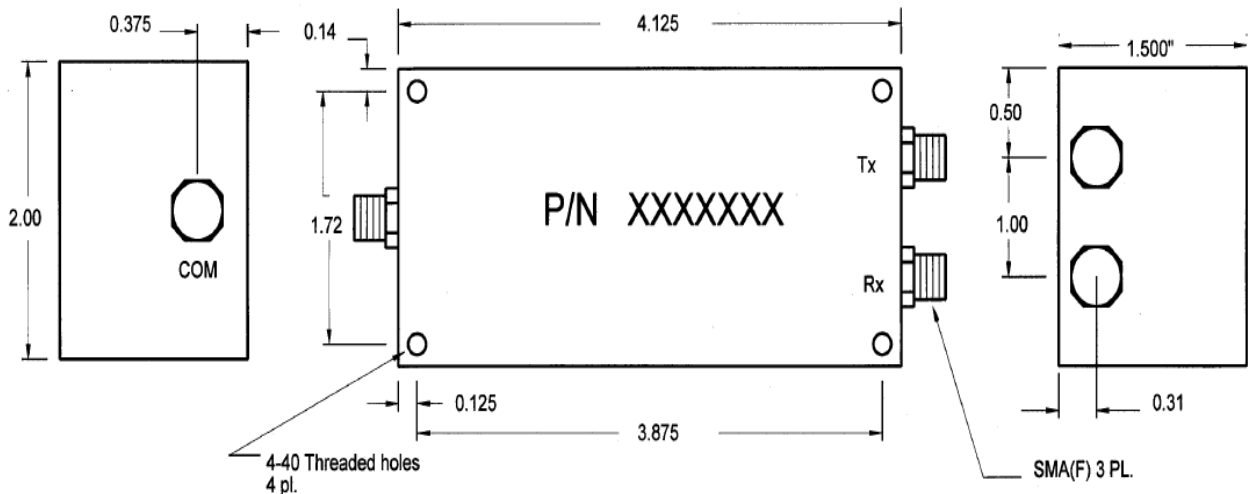


<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
<b>Passband:</b>	1735-1760 MHz	1830-1855 MHz
<b>Bandwidth:</b>	25 MHz	25 MHz
<b>Passband Insertion Loss:</b>	≤ 1.0dB	≤ 1.0dB
<b>Passband Return Loss:</b>	≥ 18dB	≥ 18dB
<b>Isolation:</b>	≥ 70dB	≥ 70dB

<u>Mechanical</u>	
<b>Mounting Method:</b>	Threaded Mounting Holes
<b>Connector Type:</b>	SMA(F)
<b>Dimensions:</b>	4.125 x 2.0 x 1.5 inches.

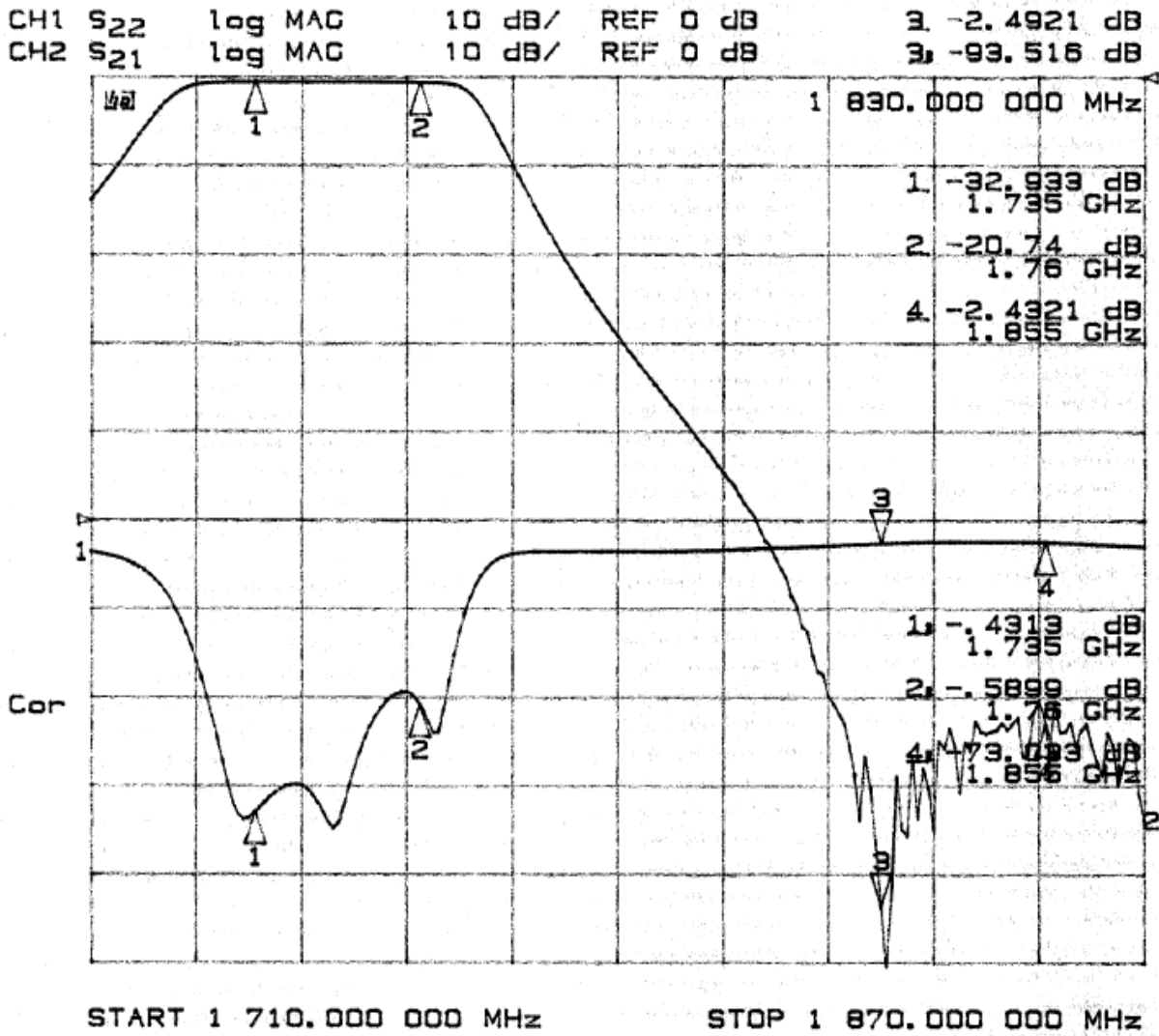
<u>Environmental</u>	
<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Storage Temperature:</b>	-50 to +85 deg.C

**Outline Drawing:**





**Response Plot-1 :**





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**Response Plot-2 :**

