



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

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

Part Number: AE1747-1842DB170

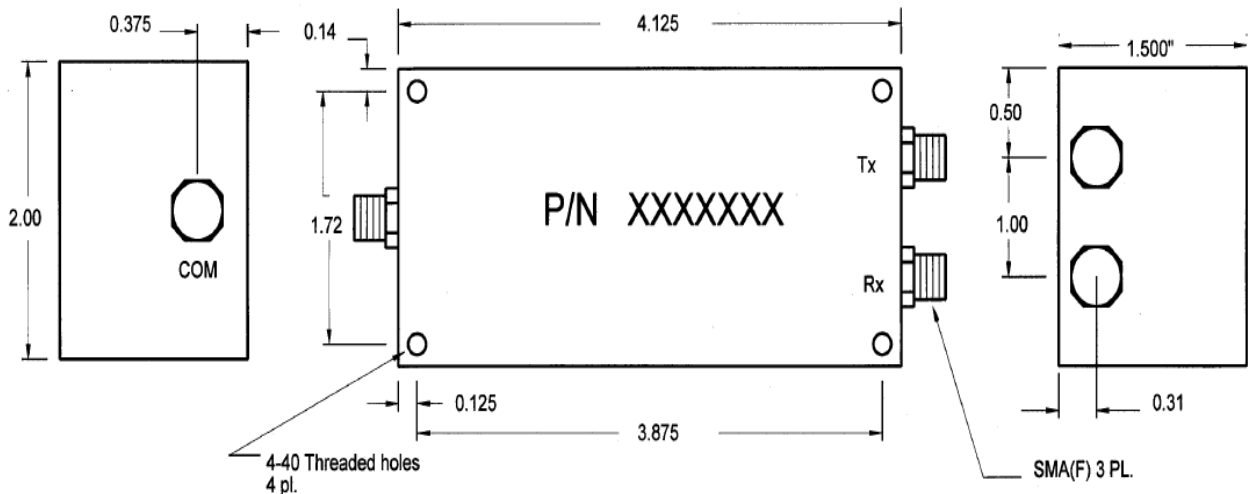


| <u>Characteristics</u> | <u>Band 1</u> | <u>Band 2</u> |
|---------------------------------|---------------|---------------|
| Passband: | 1735-1760 MHz | 1830-1855 MHz |
| Bandwidth: | 25 MHz | 25 MHz |
| Passband Insertion Loss: | ≤ 1.0dB | ≤ 1.0dB |
| Passband Return Loss: | ≥ 18dB | ≥ 18dB |
|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

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

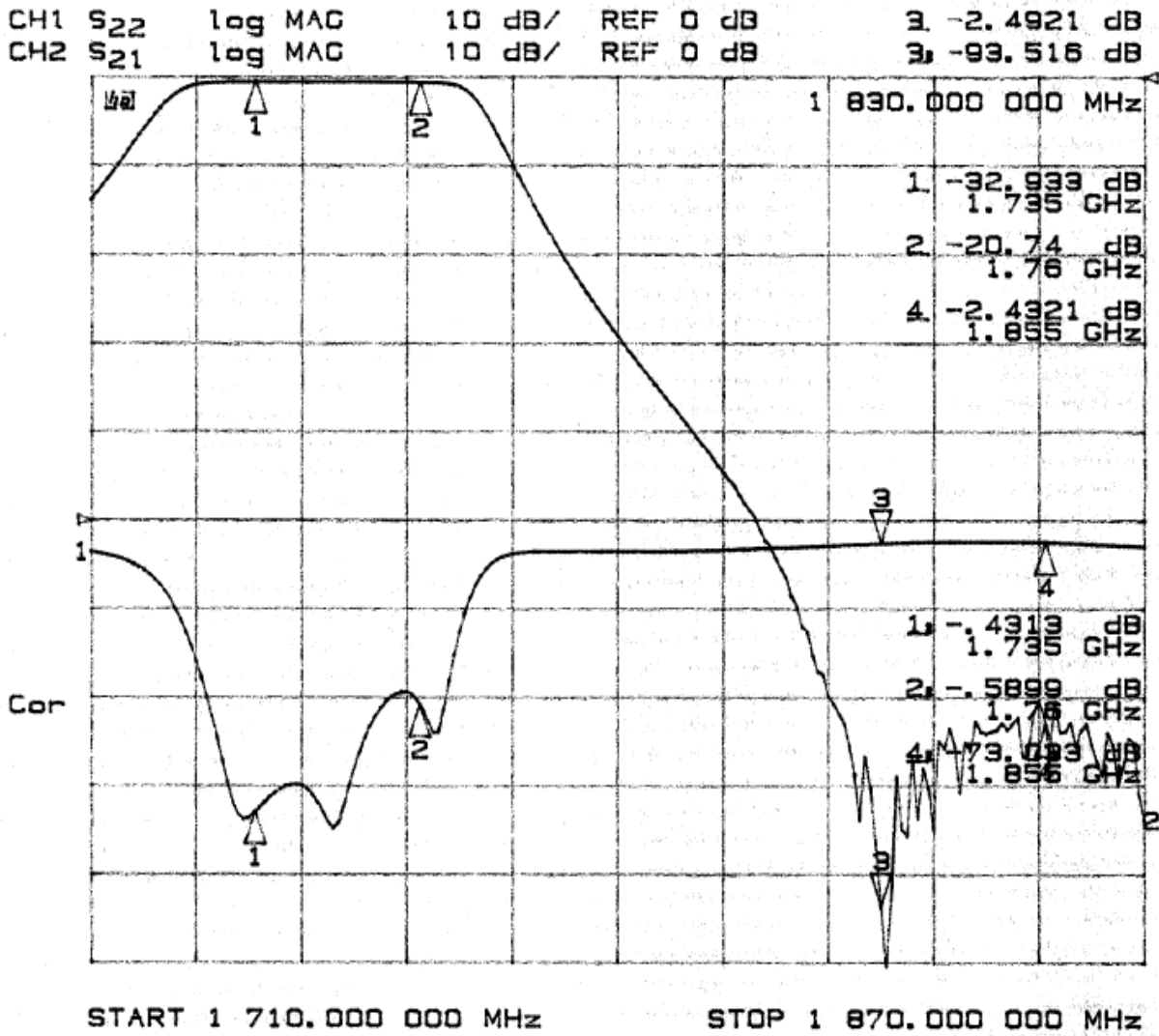
| <u>Environmental</u> | |
|-------------------------------|------------------|
| Operating Temperature: | -40 to +70 deg.C |
| Storage Temperature: | -50 to +85 deg.C |

Outline Drawing:





Response Plot-1 :





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Response Plot-2 :

