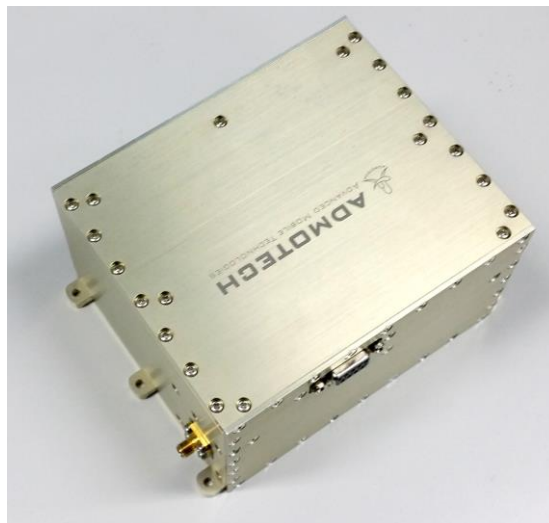


## Applications

- Tactical Air Navigation (TACAN)
- Industrial and Medical Equipment
- Test and Measurement Equipment

## Features

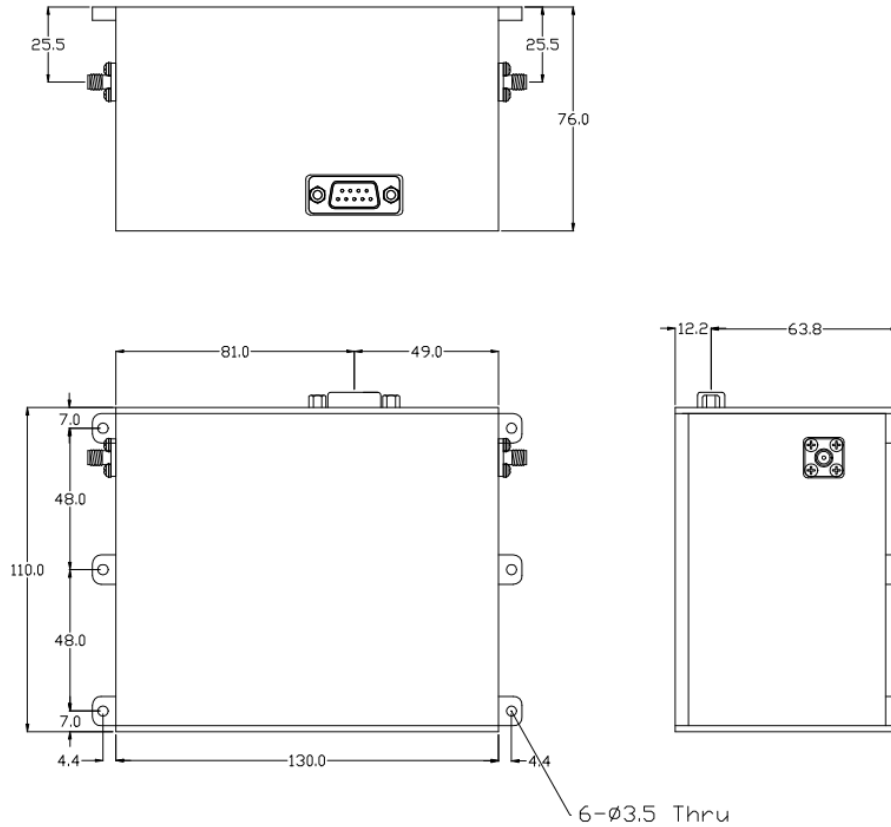
- Frequency controlled by Electrical RS232C
- Below 1.0 dB Insertion Loss at center frequency
- 100 W CW Input Handling Power.
- Ultra Low IMD Characteristics.



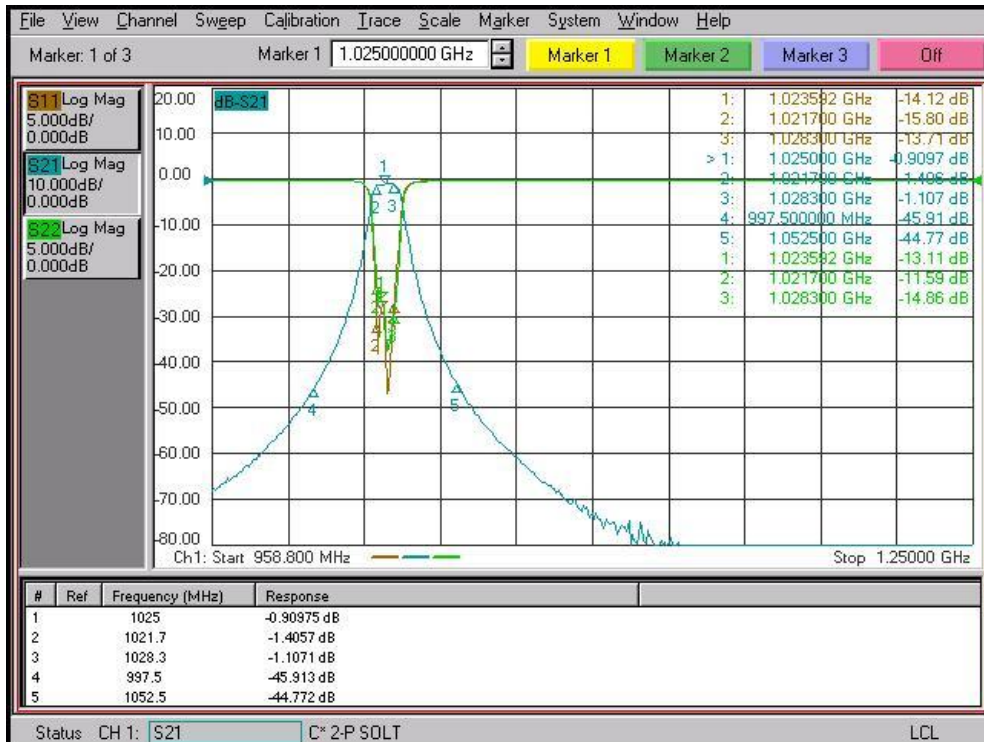
## Electrical Specifications

| Parameters                | Specifications                                   | Remarks |
|---------------------------|--|---------|
| Frequency Tuning range    | 1,025 ~ 1,150 MHz                                |         |
| Insertion Loss(Max.)      | 1.0 dB @ Center Frequency                        |         |
| VSWR (Max.)               | 2.0 : 1  |         |
| -3 dB Bandwidth           | ± 1.6 MHz(Max.) @1025 MHz                        |         |
| - 50 dB bandwidth         | 55 MHz(Max.)                                     |         |
| Step Size                 | 1 MHz  |         |
| Frequency Accuracy        | 1%(Max.)   |         |
| Frequency Tuning          | Electrical Control by RS232C                     |         |
| DC Bias Voltage           | +5V ~ + 12 V                                     |         |
| DC Bias Current           | 1.35 A Max. (Motor Moving)<br>250 mA (Quiescent) |         |
| Power Handling            | 100W CW or 400W peak with 0.001 duty cycle       |         |
| Input & Output Connectors | SMA(F)   |         |
| Impedance                 | 50Ω  |         |
| Temperature Range         | -40°C ~ +85°C                                    |         |
| Dimension L X W X H mm    | 110 X 130 X 76                                   |         |

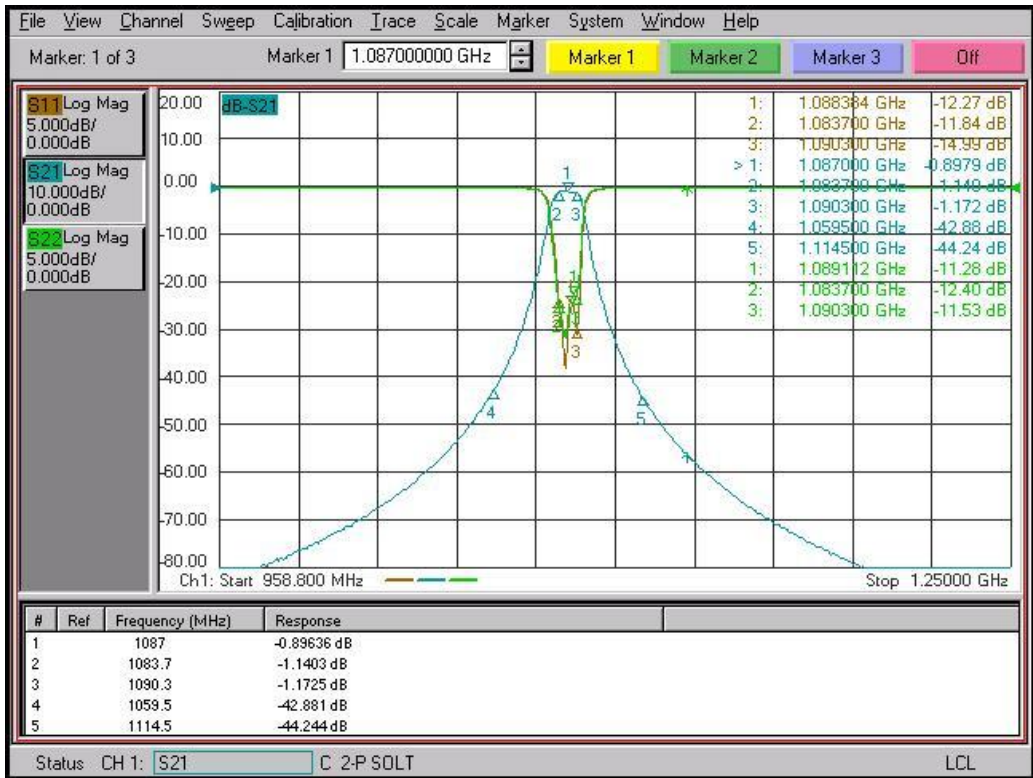
## Outline Drawings



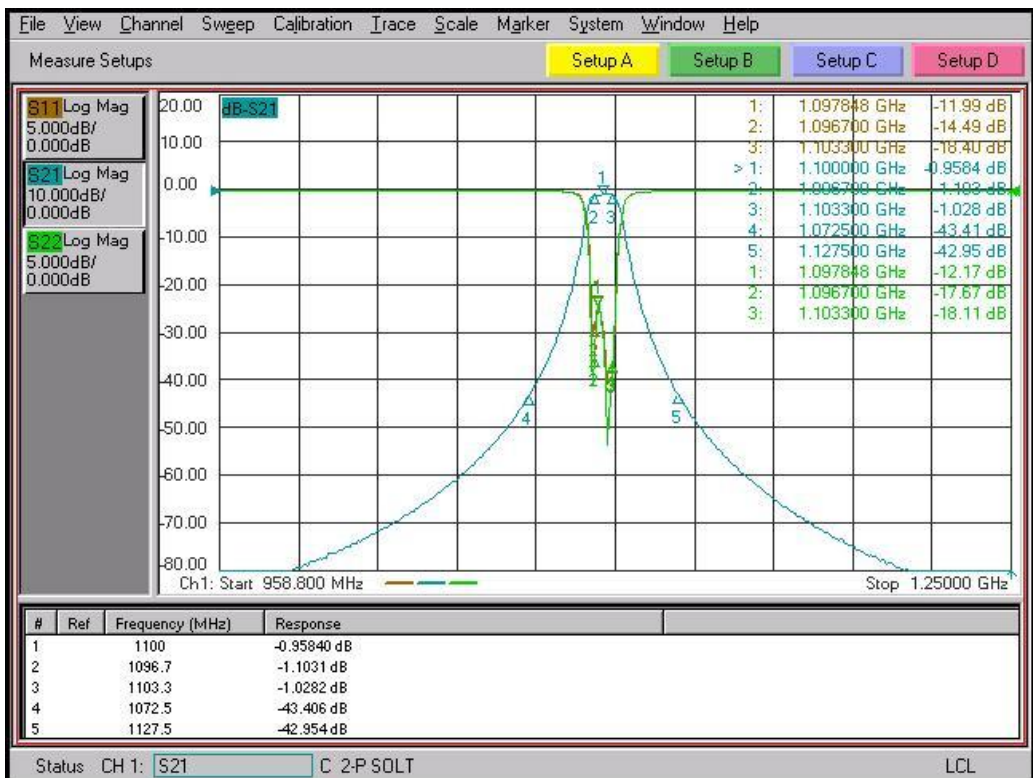
## Typical Response



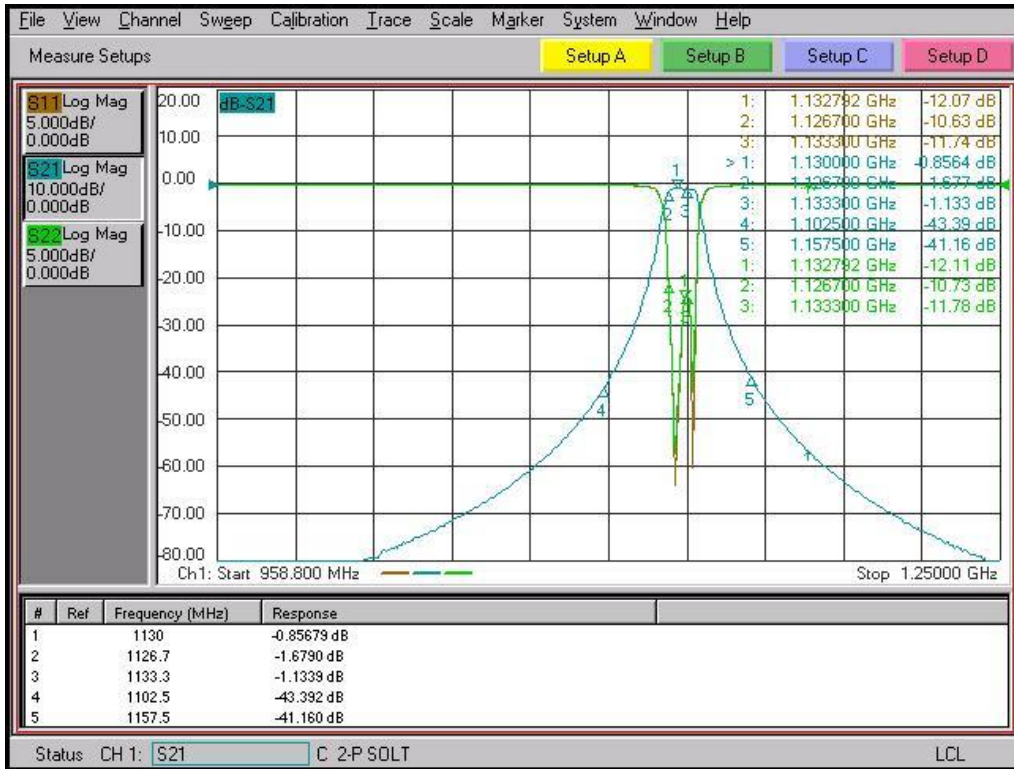
**1,025 MHz, 0.9 dB IL**



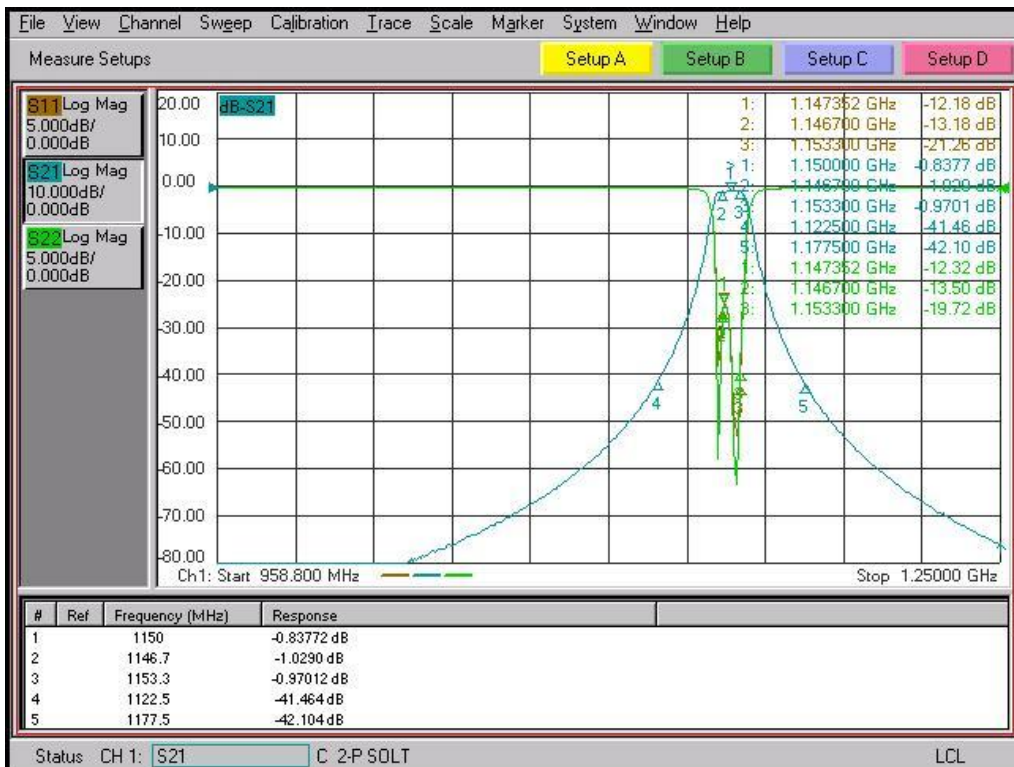
**1,087 MHz, 0.89 dB IL**



**1,100 MHz, 0.95 dB IL**



**1,130 MHz, 0.85 dB IL**



**1,150 MHz, 0.85 dB IL**