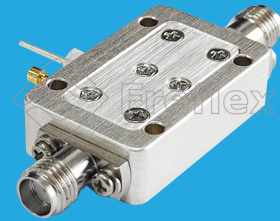


## FLA-4000-8000-38-11

### 4~8GHz, 38dB, 1.1dB

Features:  
 \* Broadband  
 \* Low Noise

Applications:  
 \* Wireless  
 \* Receiver  
 \* Laboratory Test  
 \* Radar



### Electrical

|                      |   |
|----------------------|---|
| Frequency:           | 4~8GHz                                      |
| Gain:                | 38dB typ.                                   |
| Gain Flatness:       | ±1dB typ.                                   |
| Output Power (P1dB): | 18dBm min.                                  |
| Noise Figure:        | 1.1dB typ.                                  |
| Spurious:            | -60dBc max.                                 |
| VSWR:                | 1.6 typ.                                    |
| Voltage:             | +5V DC (Outline A)<br>+6~15V DC (Outline B) |
| Current:             | 100mA typ.                                  |
| Impedance:           | 50Ω   |

### Absolute Maximum Ratings\*1

|                 |                                     |
|-----------------|-------------------------------------|
| RF Input Power: | +20dBm                              |
| Voltage:        | +7V (Outline A)<br>+20V (Outline B) |

[1] Permanent damage may occur if any of these limits are exceeded.

### Mechanical

RF Connectors: SMA Female

### How To Order

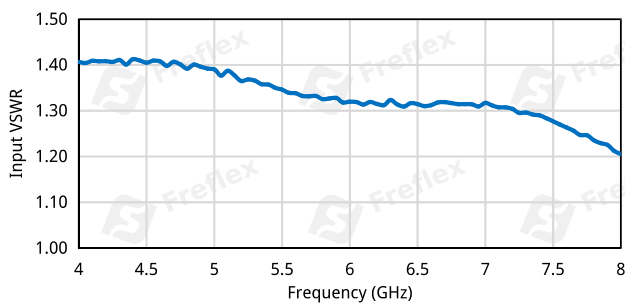
[FLA-4000-8000-38-11](#) - Outline A

[FLA-4000-8000-38-11-1](#) - Outline B

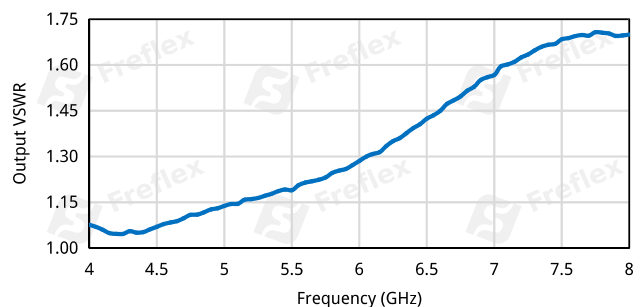
Customization is available upon request.

### Typical Performance Curves

Input VSWR vs. Frequency



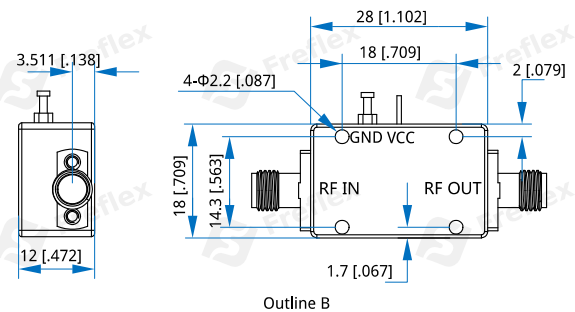
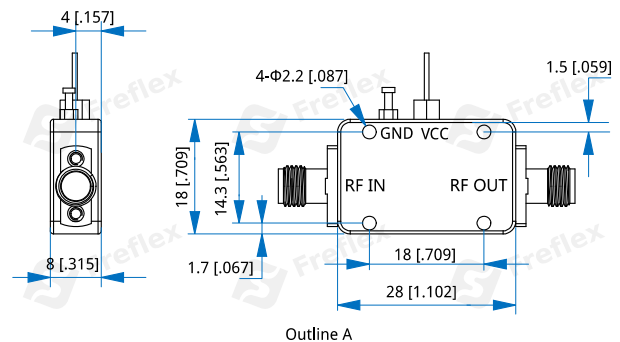
Output VSWR vs. Frequency



### Environmental

|                            |           |
|----------------------------|-----------|
| Operating Temperature:     | -20~+60°C |
| Non-operating Temperature: | -40~+85°C |

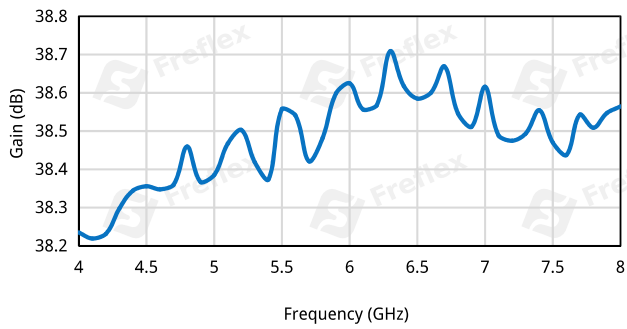
### Outline Drawings



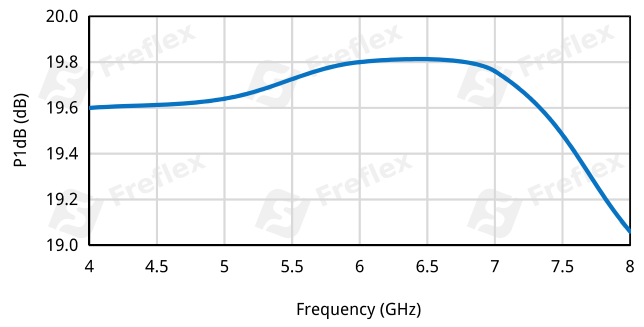
Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

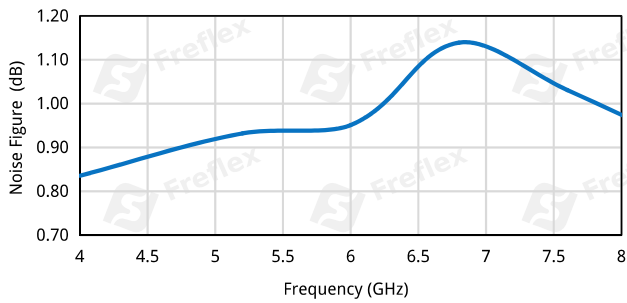
Gain vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency



Isolation vs. Frequency

