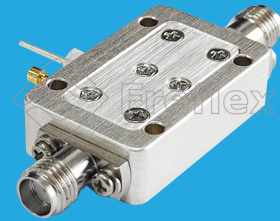


FLA-2000-8000-38-11

2~8GHz, 38dB, 1.1dB

Features:
 * Broadband
 * Low Noise

Applications:
 * Wireless
 * Receiver
 * Laboratory Test
 * Radar



Electrical

| | |
|----------------------|---|
| Frequency: | 2~8GHz |
| 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) +6~15V DC (Outline B) |
| Current: | 100mA typ. |
| Impedance: | 50Ω |

Absolute Maximum Ratings*1

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

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

Mechanical

RF Connectors: SMA Female

How To Order

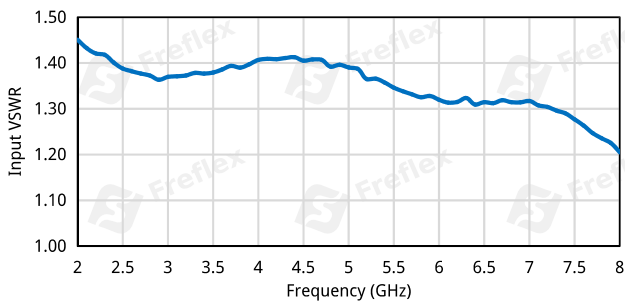
[FLA-2000-8000-38-11](#) - Outline A

[FLA-2000-8000-38-11-1](#) - Outline B

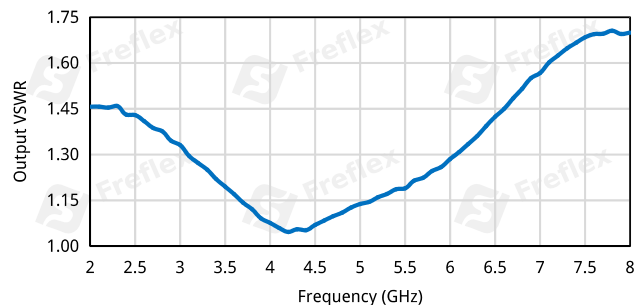
Customization is available upon request.

Typical Performance Curves

Input VSWR vs. Frequency



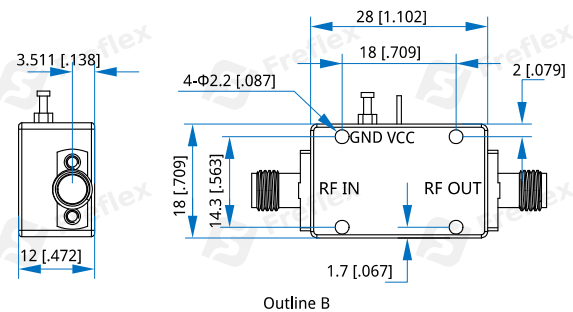
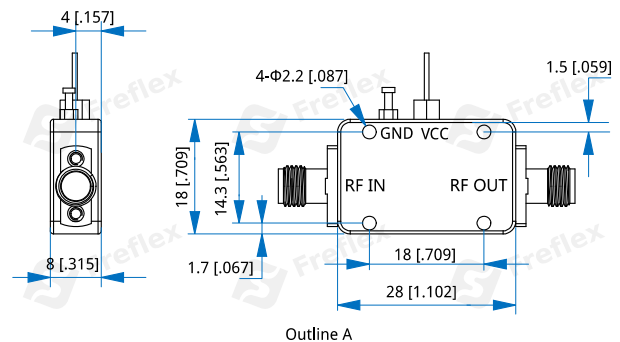
Output VSWR vs. Frequency



Environmental

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

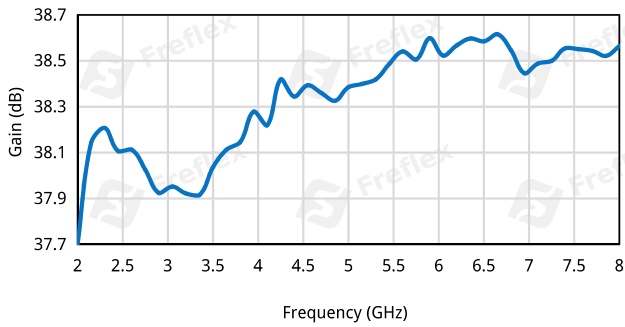
Outline Drawings



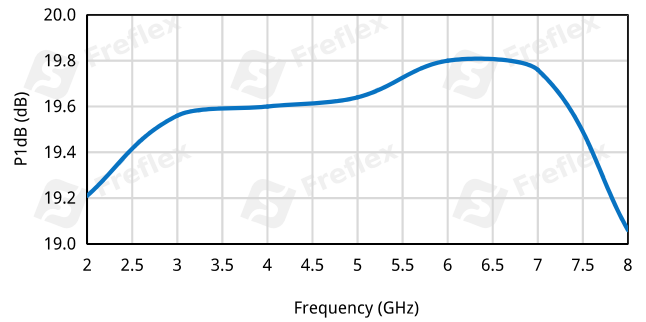
Unit: mm [in]
 Tolerance: ±0.5mm [±0.02in]

Low Noise Amplifier

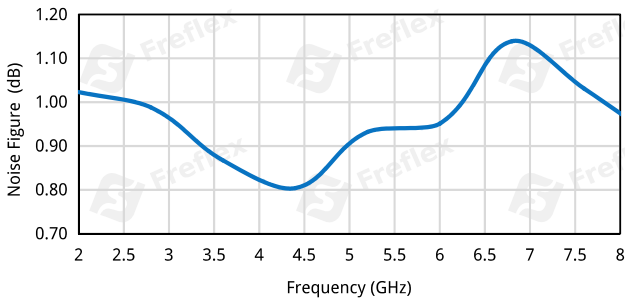
Gain vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency



Isolation vs. Frequency

