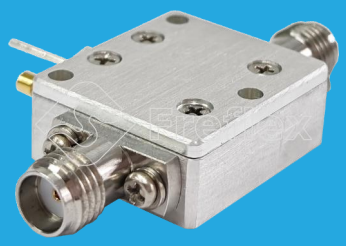
# FLA-100-20000-20-20

0.1~20GHz, 20dB, 2.0dB

Features:
* Broadband
* Low Noise

Applications:
* Wireless
* Receiver
* Laboratory Test
* Radar



## Electrical

| | |
|---|---|
| Frequency: | 0.1~20GHz |
| Gain: | 20dB typ. |
| Gain Flatness: | ±0.5dB typ. |
| Output Power (P1dB): | 10dBm typ. |
| Noise Figure: | 2.0dB typ. |
| Spurious: | -60dBc max. |
| Reverse Isolation: | -30dB typ. |
| VSWR: | 1.8 typ. |
| Voltage: | +5V DC (Outline A) |
| | +6~12V DC (Outline B) |
| Current: | 200mA typ. |
| Impedance: | 50Ω |

## Absolute Maximum Ratings*1

| | |
|---|---|
| RF Input Power: | +17dBm |
| Voltage: | +6V (Outline A) |
| | +20V (Outline B) |

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

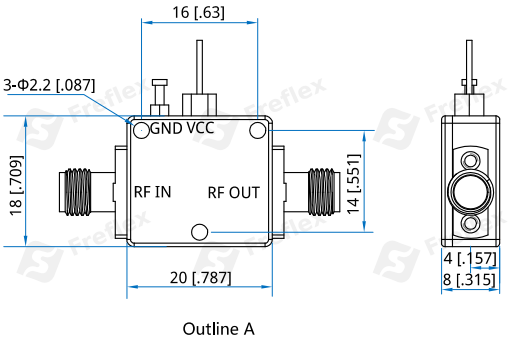
## Mechanical

| | |
|---|---|
| RF Connectors: | SMA Female |

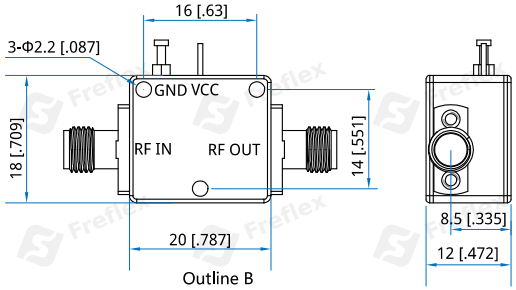
## Environmental

| | |
|---|---|
| Operating Temperature: | -45~+85℃ |
| Non-operating Temperature: | -55~+125℃ |

## Outline Drawings




Outline A




Outline B

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

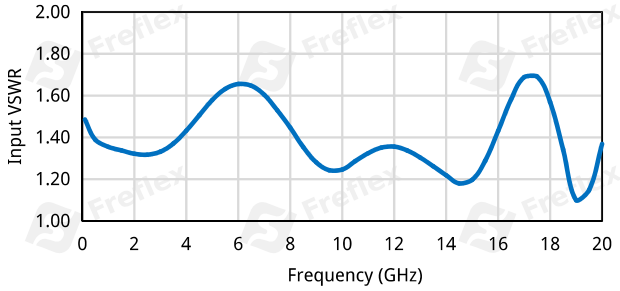
## How To Order

FLA-100-20000-20-20 - Outline A
FLA-100-20000-20-20-1 - Outline B

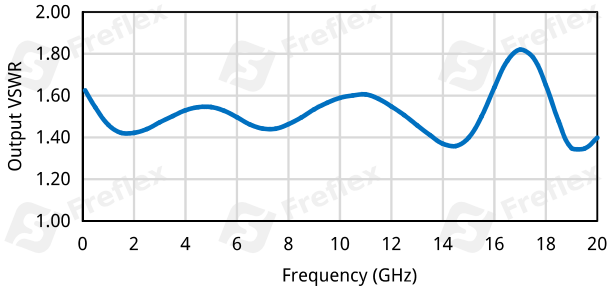
Customization is available upon request.

## Typical Performance Curves

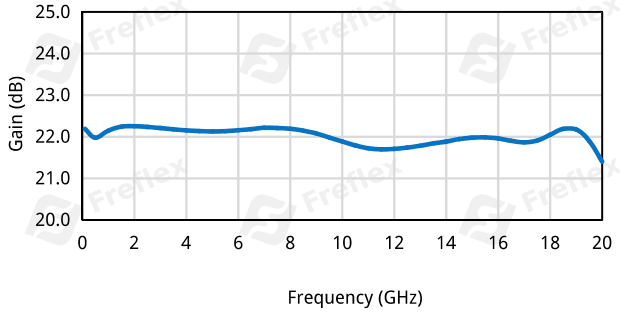
Input VSWR vs. Frequency



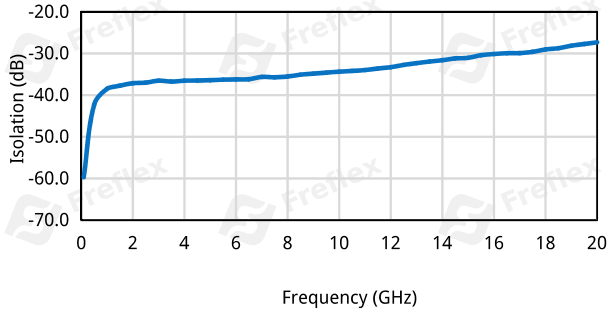

Output VSWR vs. Frequency



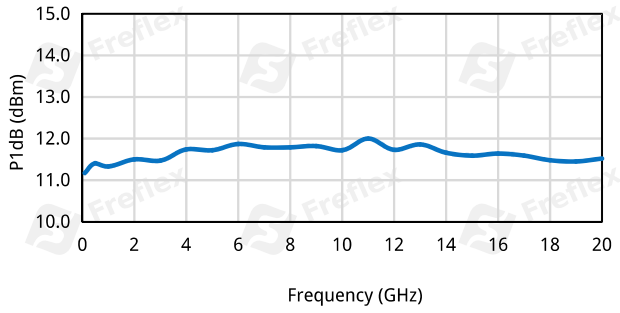

Gain vs. Frequency




Isolation vs. Frequency




P1dB vs. Frequency




Noise Figure vs. Frequency

