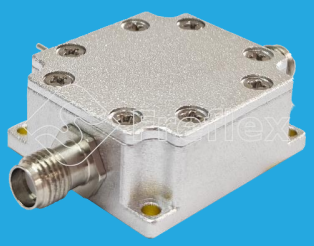
# FLA-100-6000-16-10

0.1~6GHz, 16dB, 1dB

Features:
* Small Size
* Low Power Consumption

Applications:
* Wireless
* Transmitter
* Laboratory Test



## Electrical

| | |
|---|---|
| Frequency: | 0.1~6GHz |
| Gain: | 16dB typ. |
| Gain Flatness: | See Typical Performance Curves |
| Noise Figure: | 1dB typ. |
| Output Power (P1dB): | 20dBm typ. |
| VSWR: | 2 typ. |
| Reverse Isolation: | -20dB typ. |
| Voltage: | +5V DC |
| Current: | 200mA typ. |
| Impedance: | 50Ω |

## Absolute Maximum Ratings*1

| | |
|---|---|
| RF Input Power: | 22dBm |
| Voltage: | +7V |

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

## Mechanical

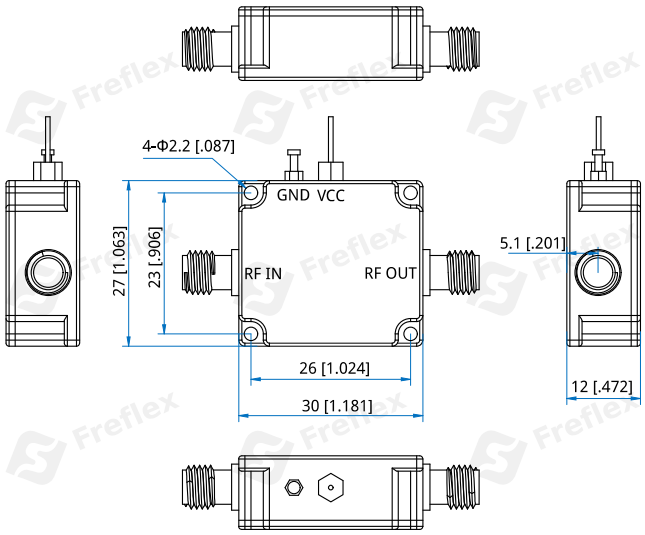
| | |
|---|---|
| Size*2: | 30*27*12mm<br>1.181*1.063*0.472in |
| RF Connectors: | SMA female |
| Power Supply Connectors: | Feed Through/Terminal Post |
| Mounting: | 4-Φ2.2mm through-hole |

[2] Exclude connectors.

## Environmental

| | |
|---|---|
| Operating Temperature: | -40~+85℃ |
| Non-Operating Temperature: | -55~+125℃ |

## Outline Drawings




Unit: mm [in]
Tolerance: ±0.2mm [±0.008in]

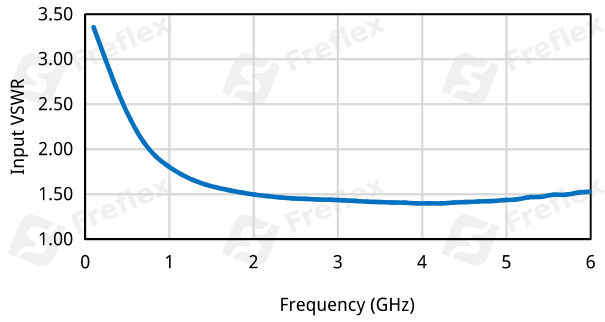
## How To Order

FLA-100-6000-16-10

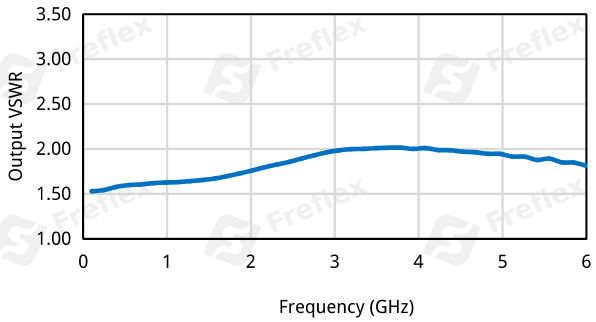
Customization is available upon request.

## Typical Performance Curves

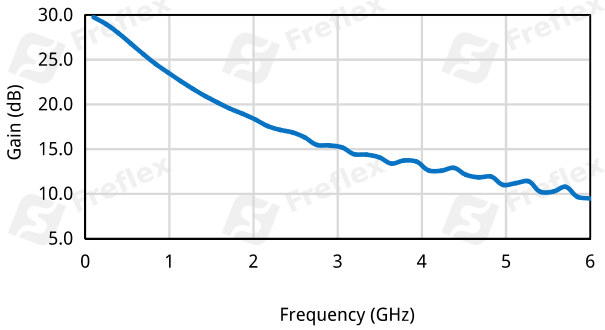
Input VSWR vs. Frequency



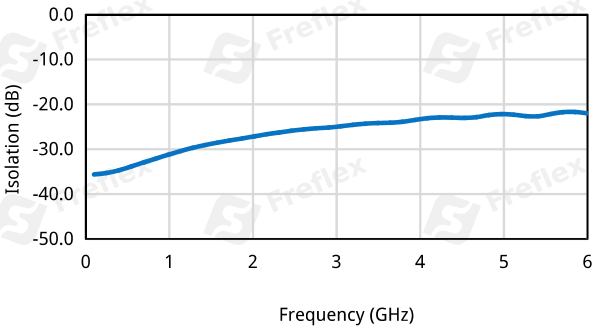

Output VSWR vs. Frequency



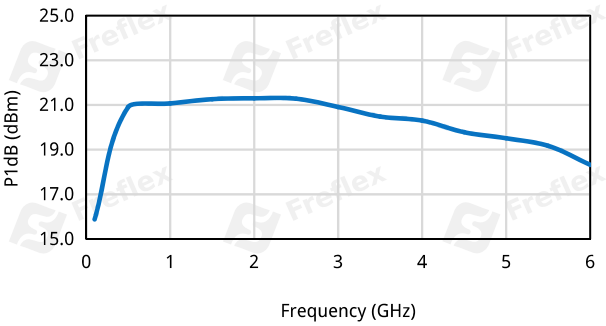

Gain vs. Frequency




Isolation vs. Frequency




P1dB vs. Frequency




Noise Figure vs. Frequency

