

FLA-100-12000-30-30

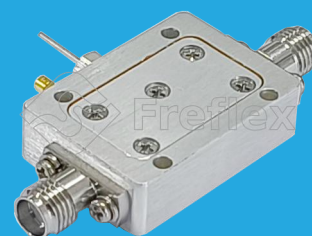
0.1~12GHz, 30dB, 3.0dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar



Electrical

Frequency:	0.1~12GHz
Gain:	30dB typ.
Gain Flatness:	±1.5dB typ.
Output Power (P1dB):	15dBm typ.
Noise Figure:	3.0dB typ.
Spurious:	-60dBc max.
VSWR:	1.8 typ.
Voltage:	+5V DC (Outline A) +6~15V DC (Outline B)
Current:	200mA 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

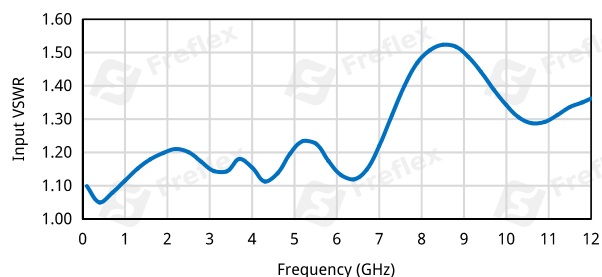
FLA-100-12000-30-30 - Outline A

FLA-100-12000-30-30-1 - Outline B

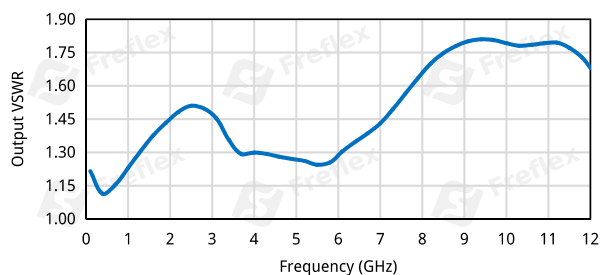
Customization is available upon request.

Typical Performance Curves

Input VSWR vs. Frequency



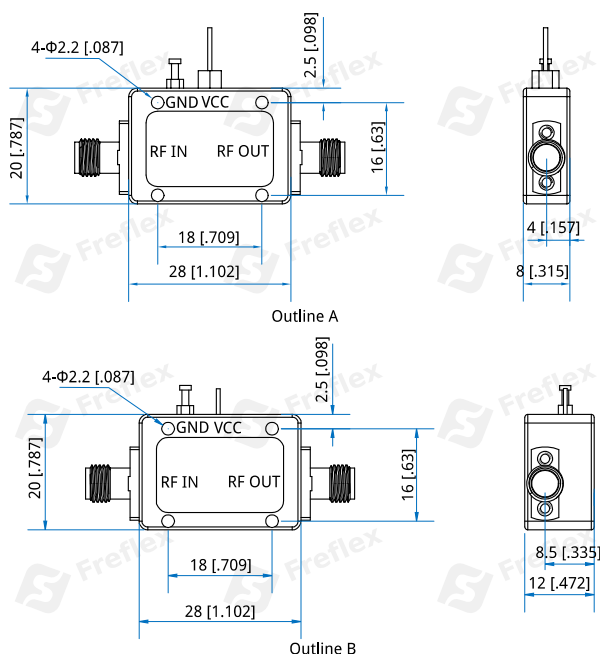
Output VSWR vs. Frequency



Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

Outline Drawings

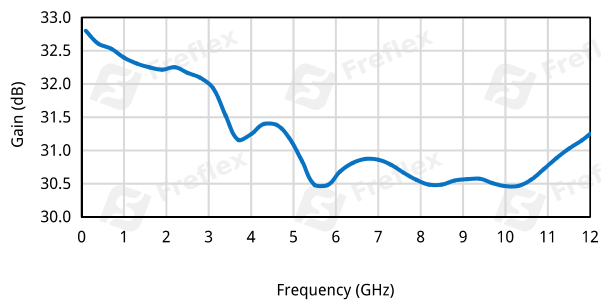


Unit: mm [in]

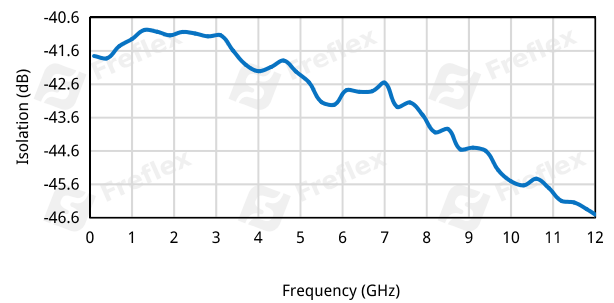
Tolerance: ±0.5mm [±0.02in]

Low Noise Amplifier

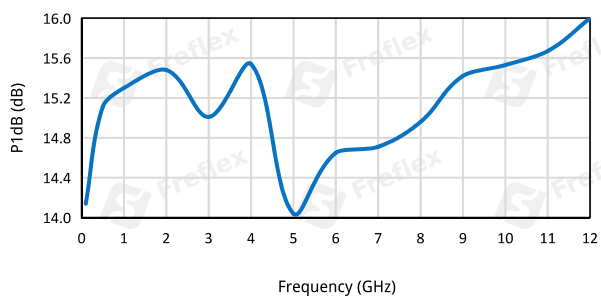
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

