FLA-1000-12000-45-20

1~12GHz, 45dB, 2.0dB

Features:
* Broadband
* Low Noise

Applications:
* Wireless
* Receiver
* Laboratory Test
* Radar



Electrical

Frequency:	1~12GHz
Gain:	45dB typ.
Gain Flatness:	±2dB typ.
Output Power (P1dB):	17dBm typ.
Noise Figure:	2.0dB typ.
Spurious:	-60dBc max.
VSWR:	2 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-1000-12000-45-20 - Outline A

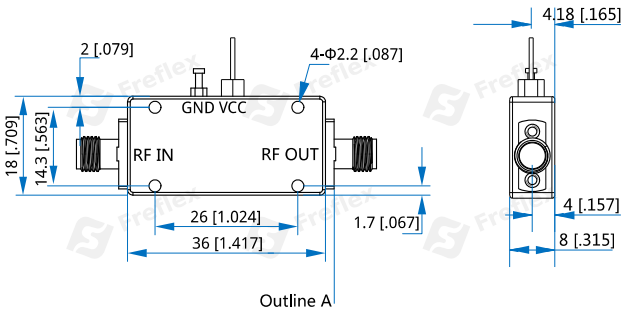
FLA-1000-12000-45-20-1 - Outline B

Customization is available upon request.

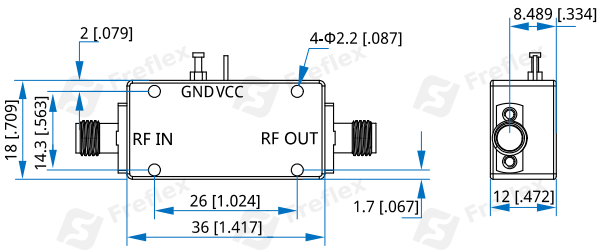
Environmental

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

Outline Drawings



Outline A



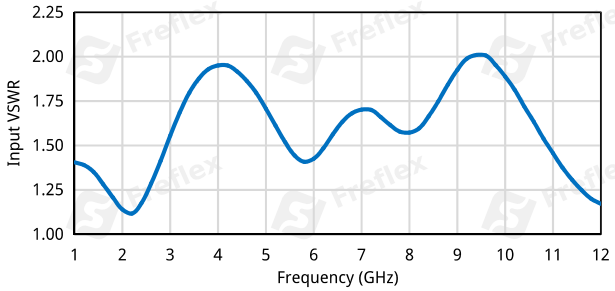
Outline B

Unit: mm [in]

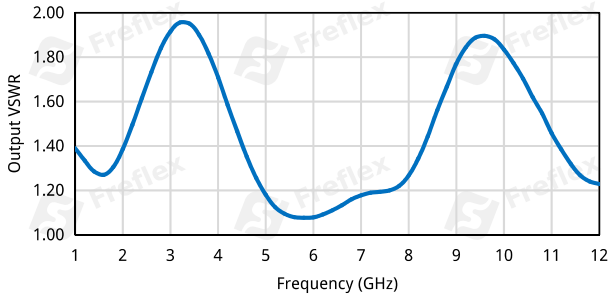
Tolerance: ±0.2mm [±0.008in]

Typical Performance Curves

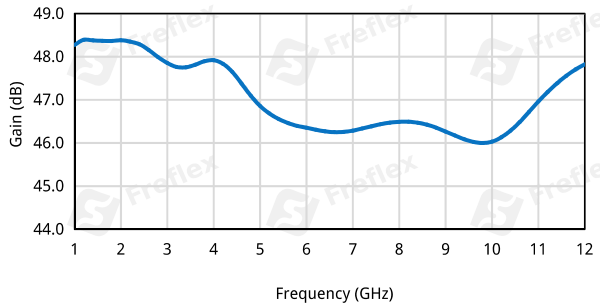
Input VSWR vs. Frequency



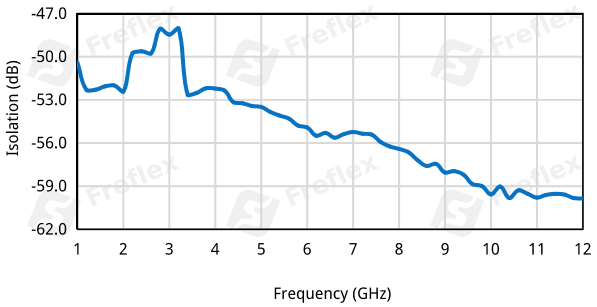
Output VSWR vs. Frequency



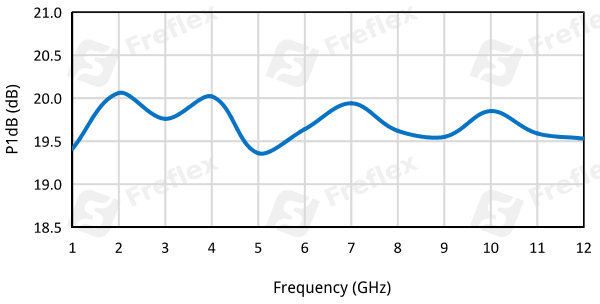
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

