

FLA-100-6000-30-10

0.1~6GHz, 30dB, 1.0dB

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test



Electrical

Frequency:	0.1~6GHz
Gain:	30dB typ.
Gain Flatness:	See Typical Performance Curves
Noise Figure:	1.0dB typ.
Output Power (P1dB):	22dBm typ.
Reverse Isolation:	-40dB typ.
VSWR:	2 typ.
Voltage:	+5V DC
Current:	150mA 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} :	32*28*12mm
	1.26*1.102*0.472in

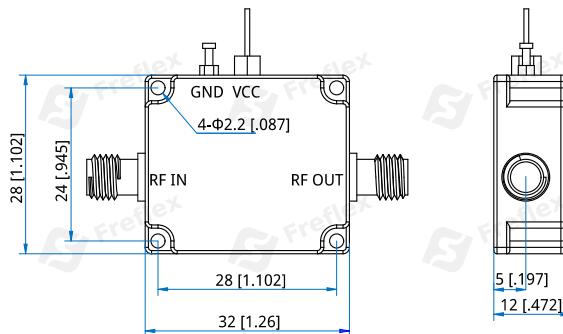
RF Connectors:	SMA female
Power Supply Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ2.2mm through-hole

[2] Exclude connectors.

Environmental

Operating Temperature:	-40~+85°C
Non-Operating Temperature:	-55~+125°C

Outline Drawings



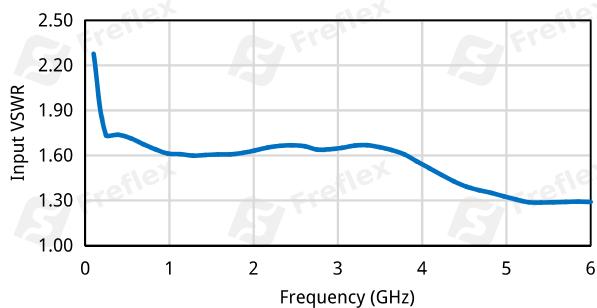
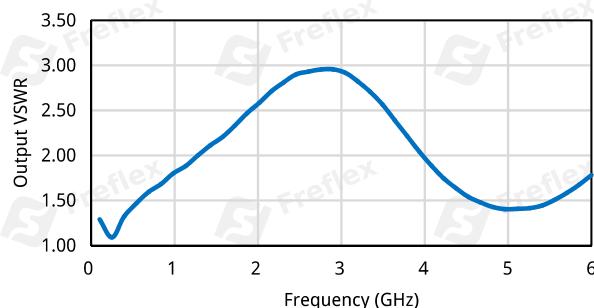
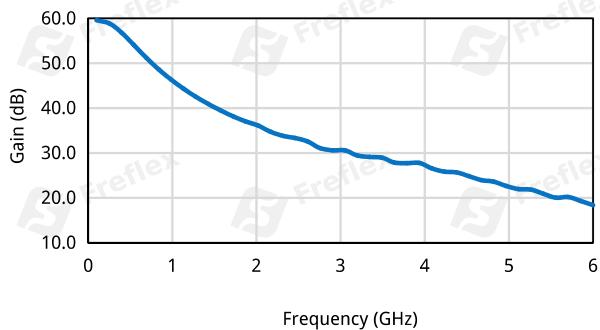
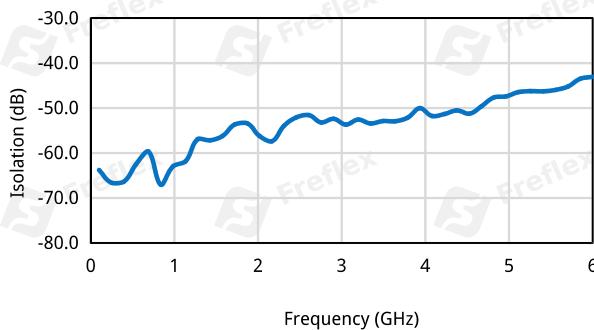
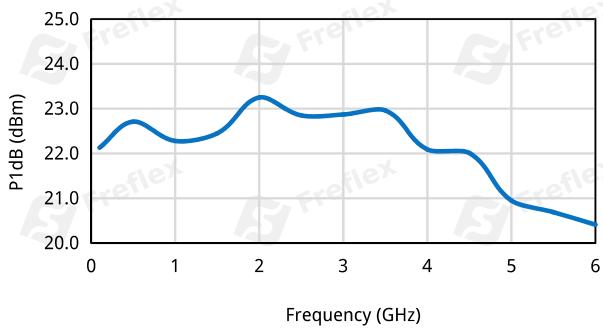
Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

FLA-100-6000-30-10

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
