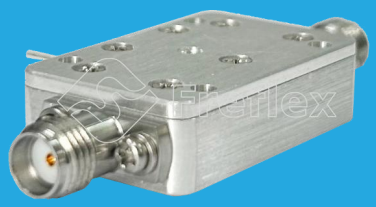
FLA-100-20000-40-20

0.1~20GHz, 40dB, 2.0dB

Features:
* Broadband
* Low Noise

Applications:
* Wireless
* Receiver
* Laboratory Test
* Radar



Electrical

Frequency:	0.1~20GHz
Gain:	40dB min.
	44dB typ.
Gain Flatness:	±1dB typ.
Output Power (P1dB):	10dBm typ.
Noise Figure:	2.0dB typ.
Spurious:	-60dBc max.
Reverse Isolation:	-40dB typ.
VSWR:	2 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.

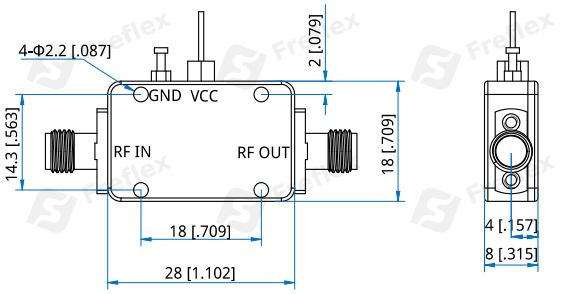
Mechanical

RF Connectors:	SMA Female

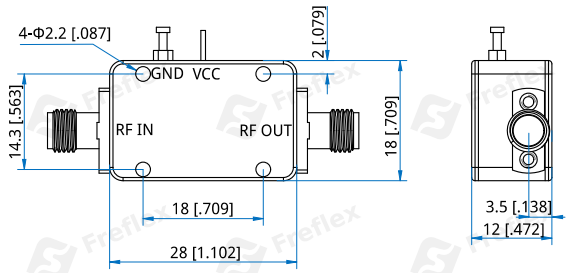
Environmental

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

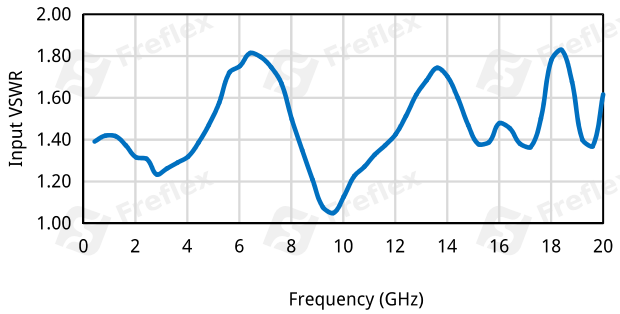
FLA-100-20000-40-20 - Outline A

FLA-100-20000-40-20-1 - Outline B

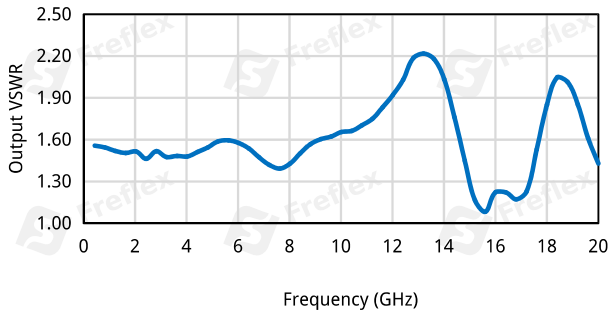
Customization is available upon request.

Typical Performance Curves

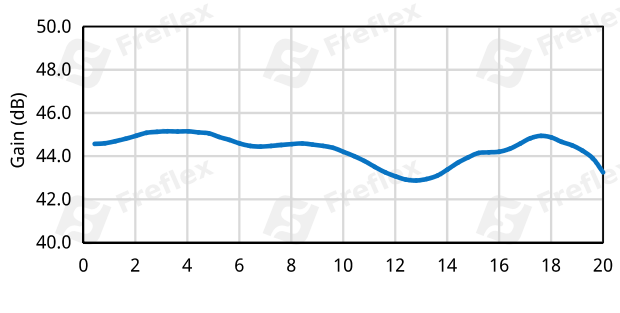
Input VSWR vs. Frequency



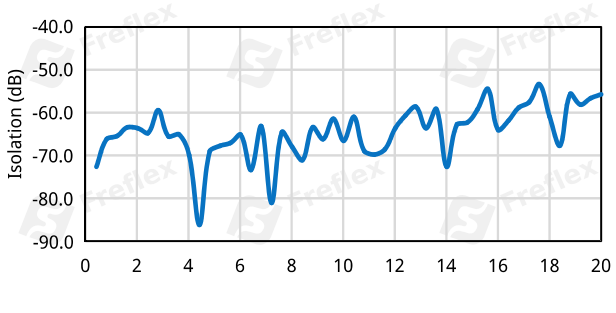
Output VSWR vs. Frequency



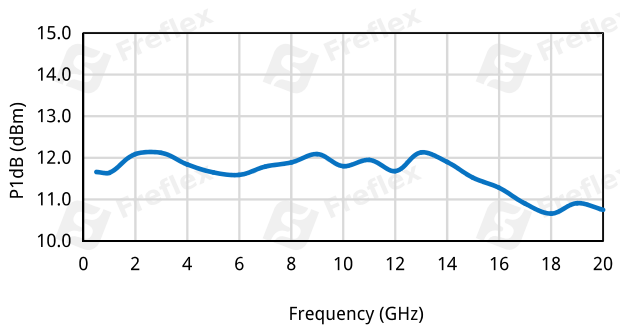
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

