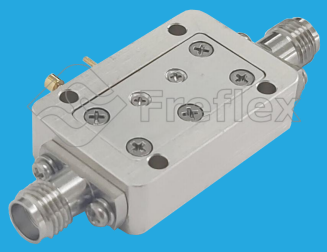
FLA-1000-18000-30-25-L

1~18GHz, 30dB, 2.5dB, With limiter



Features:
* Broad Band
* Low Noise

Applications:
* Wireless
* Receiver
* Laboratory Test
* Radar

Electrical

Frequency:	1~18GHz
Gain:	30dB typ.
Gain Flatness:	±1.5dB typ.
Output Power (P1dB):	17dBm typ.
Noise Figure:	2.5dB typ.
Spurious:	-60dBc max.
VSWR:	2 typ.
Voltage:	+5V DC (Outline A) +6~15V DC (Outline B)
Current:	100mA typ.
Impedance:	50Ω

Absolute Maximum Ratings*1

RF Input Power:	+37dBm
Voltage:	+6V (Outline A) +20V (Outline B)

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

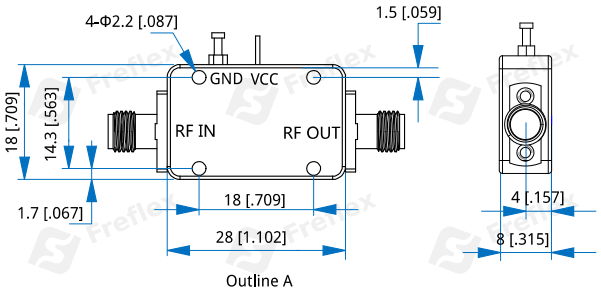
Mechanical

RF Connectors:	SMA Female (Removable)
Mounting:	4-Φ2.2mm through-hole

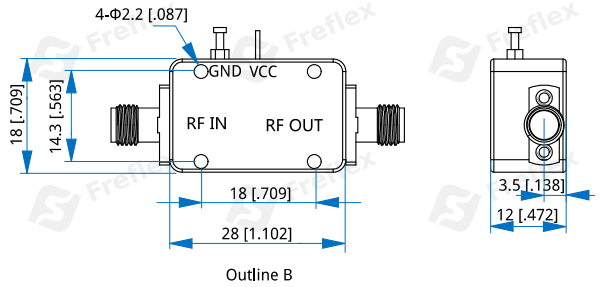
Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

Outline Drawings



Outline A



Outline B

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

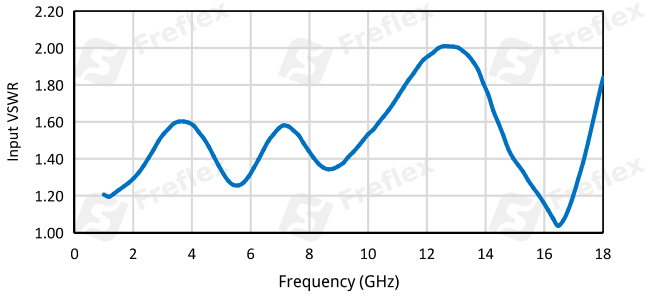
How To Order

FLA-1000-18000-30-25-L - Outline A
FLA-1000-18000-30-25-L-1 - Outline B

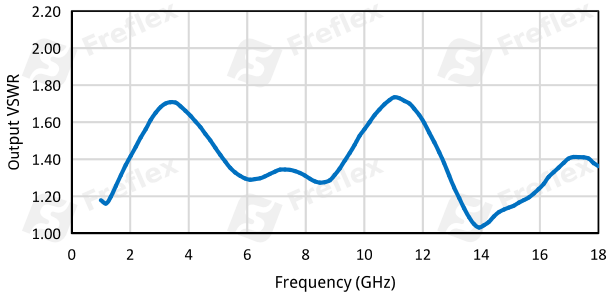
Customization is available upon request.

Typical Performance Curves

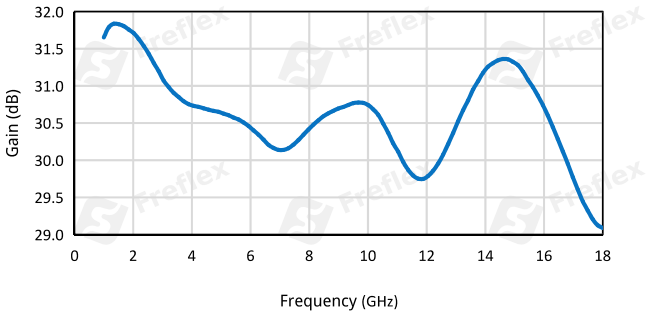
Input VSWR vs. Frequency



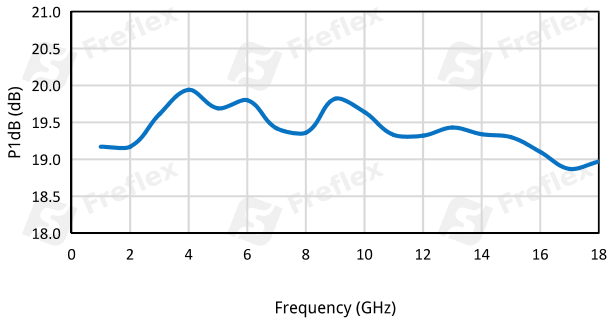
Output VSWR vs. Frequency



Gain vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

