FLA-18000-40000-55-30

18~40GHz, 55dB, 3.0dB

Features:
* Broadband
* Low Noise

Applications:
* Wireless
* Receiver
* Laboratory Test
* Radar



Electrical

Frequency:	18~40GHz
Small Signal Gain:	55dB typ.
Gain Flatness:	±2.5dB typ.
Output Power (P1dB):	15dBm typ.
Noise Figure:	3.0dB typ.
Spurious:	-60dBc max.
Reverse Isolation:	-55dB typ.
Input VSWR:	2 typ.
Output 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:	+18dBm
Voltage:	+6V (Outline A) +20V (Outline B)

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

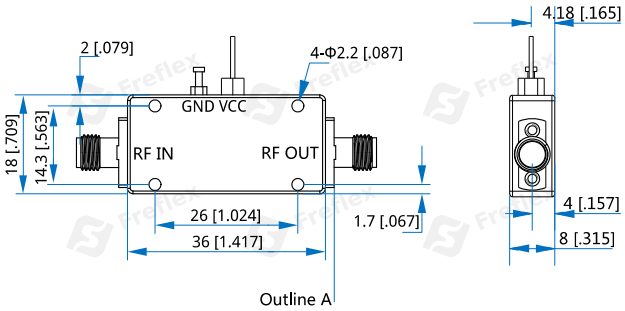
Mechanical

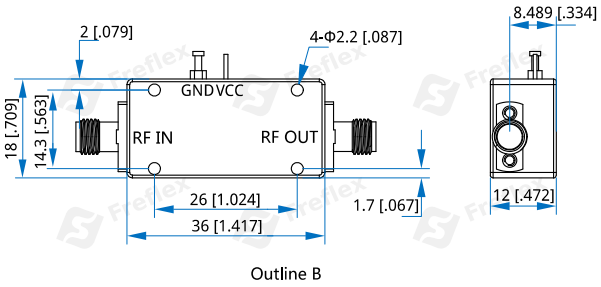
RF Connectors:	2.92mm Female (Removable)

Environmental

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

Outline Drawings





Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]

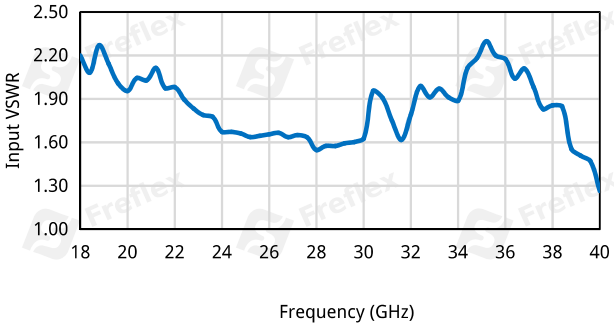
How To Order

FLA-18000-40000-55-30 - Outline A
FLA-18000-40000-55-30-1 - Outline B

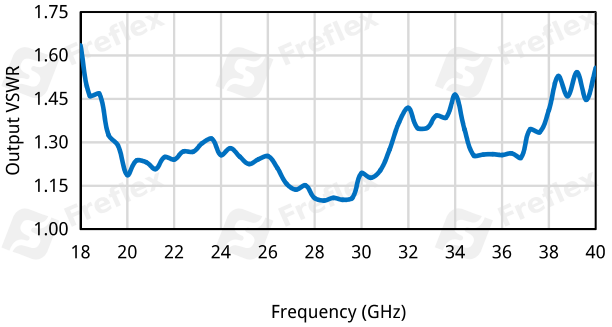
Customization is available upon request.

Typical Performance Curves

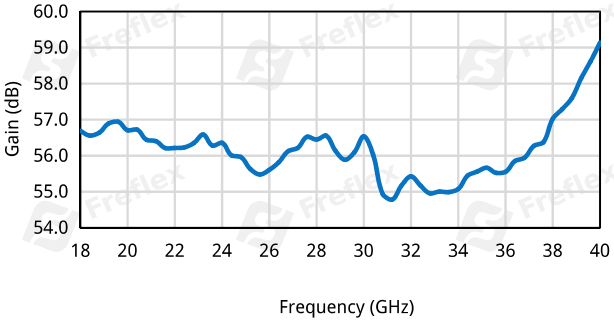
Input VSWR vs. Frequency



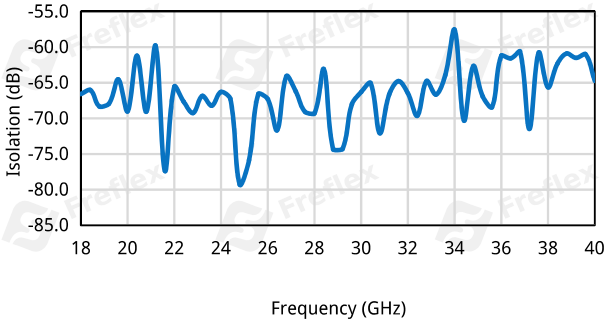
Output VSWR vs. Frequency



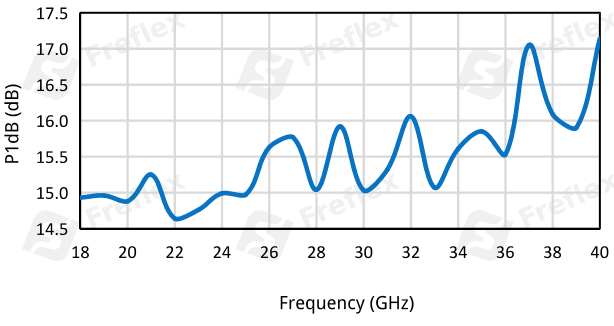
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

