

FLA-500-20000-25-25

0.5~20GHz, 25dB, 2.5dB

Features:
 * Broadband
 * Low Noise

Applications:
 * Wireless
 * Receiver
 * Laboratory Test
 * Radar



Electrical

Frequency:	0.5~20GHz
Small Signal Gain:	25dB min.
Gain Flatness:	±1dB typ.
Output Power (P1dB):	16dBm typ.
Noise Figure:	2.5dB typ.
Spurious:	-60dBc max.
Input VSWR:	2 typ.
Output VSWR:	1.5 typ.
Voltage:	+5V DC (Outline A) +6~15V DC (Outline B)
Current:	100mA 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.

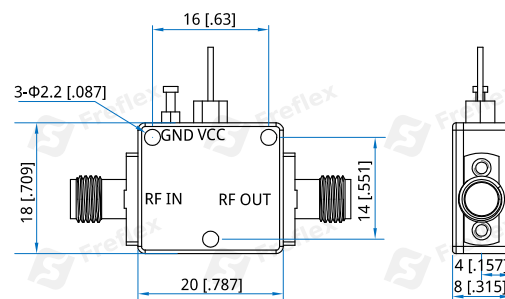
Mechanical

RF Connectors: SMA Female

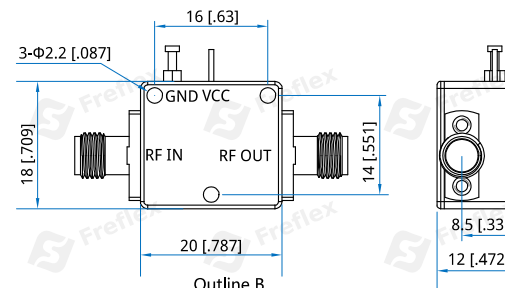
Environmental

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

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

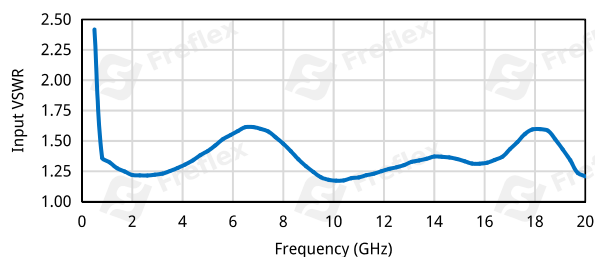
FLA-500-20000-25-25 - Outline A

FLA-500-20000-25-25-1 - Outline B

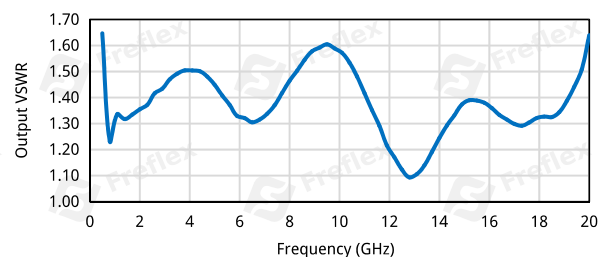
Customization is available upon request.

Typical Performance Curves

Input VSWR vs. Frequency

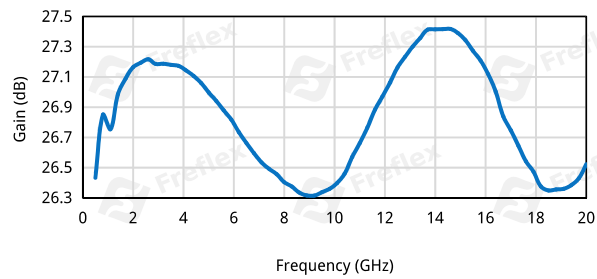


Output VSWR vs. Frequency

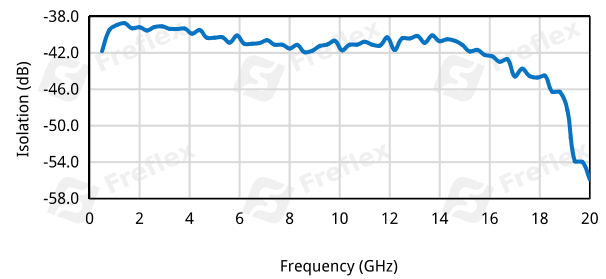


Low Noise Amplifier

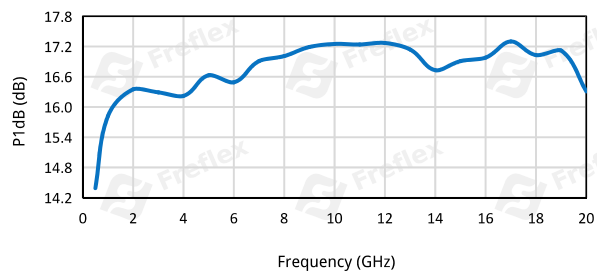
Gain vs. Frequency



Isolation vs. Frequency



P1dB vs. Frequency



Noise Figure vs. Frequency

