

NLAS-6000-40000-55-35

6~40GHz, 55dB, 3.5dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	6~40GHz
Gain:	55dB typ.
Gain Flatness:	±3.5dB typ.
Output Power (P1dB):	10dBm min.
Noise Figure:	3.5dB typ.
Spurious:	-60dBc max.
Harmonic:	-15dBc typ.
VSWR:	2 typ.
Voltage:	220V AC
Input Power:	0dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm 6.535*4.189*2.22in
Weight:	1Kg max.
RF Connectors:	2.92mm Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

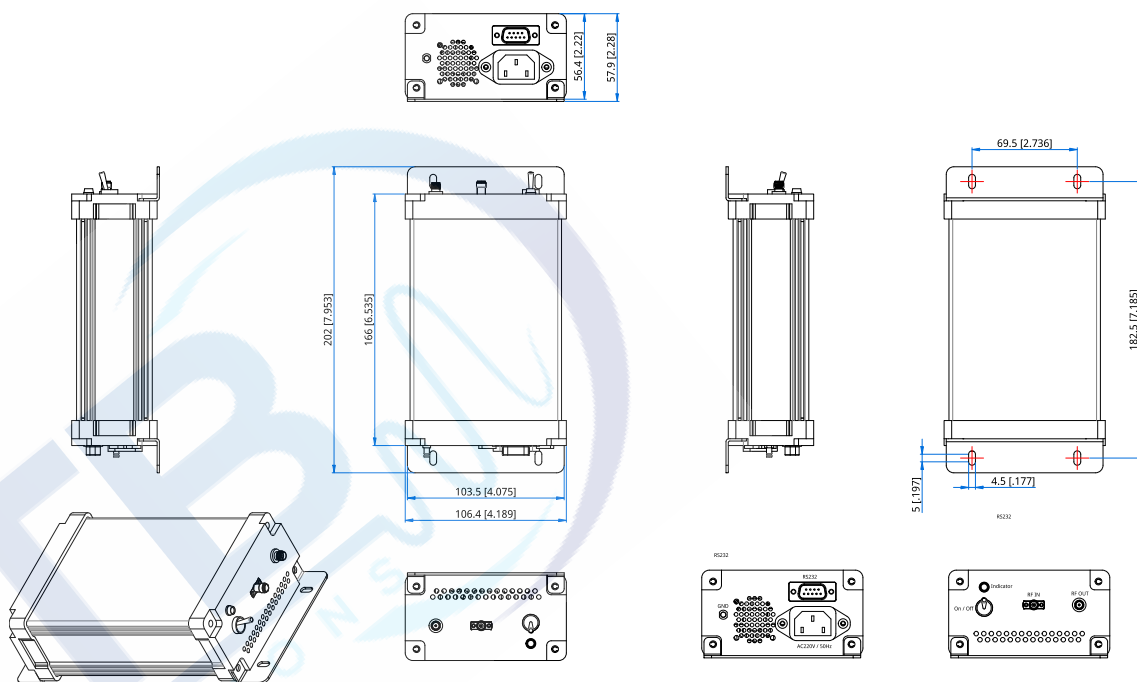
NLAS-6000-40000-55-35

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-18000-40000-40-35

18~40GHz, 40dB, 3.5dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	18~40GHz
Gain:	40dB min.
Gain Flatness:	±2.5dB max.
Output Power (P1dB):	8dBm min.
Noise Figure:	3.5dB typ. 4.2dB max.
Spurious:	-60dBc max.
VSWR:	2.0 typ. 2.5 max.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size:	120*90*46.2mm 4.724*3.543*1.819in
RF Connectors:	2.92mm Female

[1] Exclude connectors.

Environmental

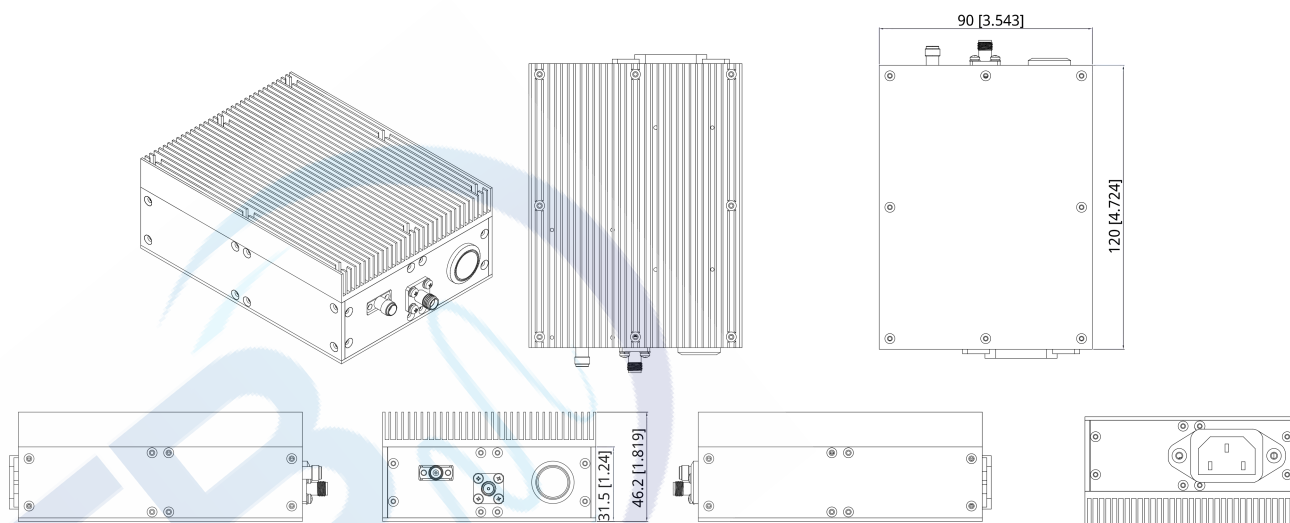
Operating Temperature:	-20~+60°C
Non-operating Temperature:	-40~+85°C

How To Order

[NLAS-18000-40000-40-35](#)

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-18000-40000-45-40

18~40GHz, 45dB, 4dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	18~40GHz
Gain:	45dB min.
Gain Flatness:	3.5dB max.
Output Power (P1dB):	10dBm min.
Noise Figure:	3.5dB typ. 4dB max.
Spurious:	-60dBc max.
VSWR:	2 max.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm 6.535*4.189*2.22in
Weight:	1.5Kg max.
RF Connectors:	2.92mm Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

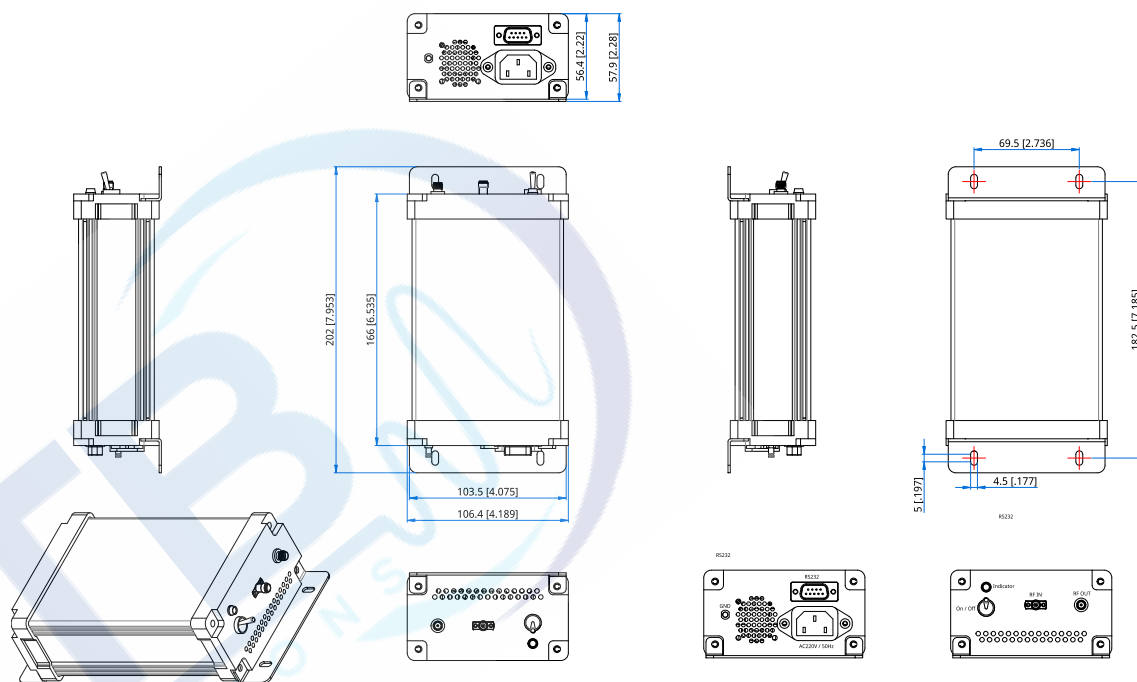
NLAS-18000-40000-45-40

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-26000-30000-25-50

26~30GHz, 25dB, 5dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	26~30GHz
Gain:	25dB typ.
Output Power (Psat):	20dBm min.
Noise Figure:	5dB max.
Isolation:	20dB typ.
Spurious:	-60dBc max.
VSWR:	1.8 typ.
Voltage:	110V AC
Input Power:	+20dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm
	6.535*4.189*2.22in
Weight:	1Kg max.
RF Connectors:	2.92mm Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

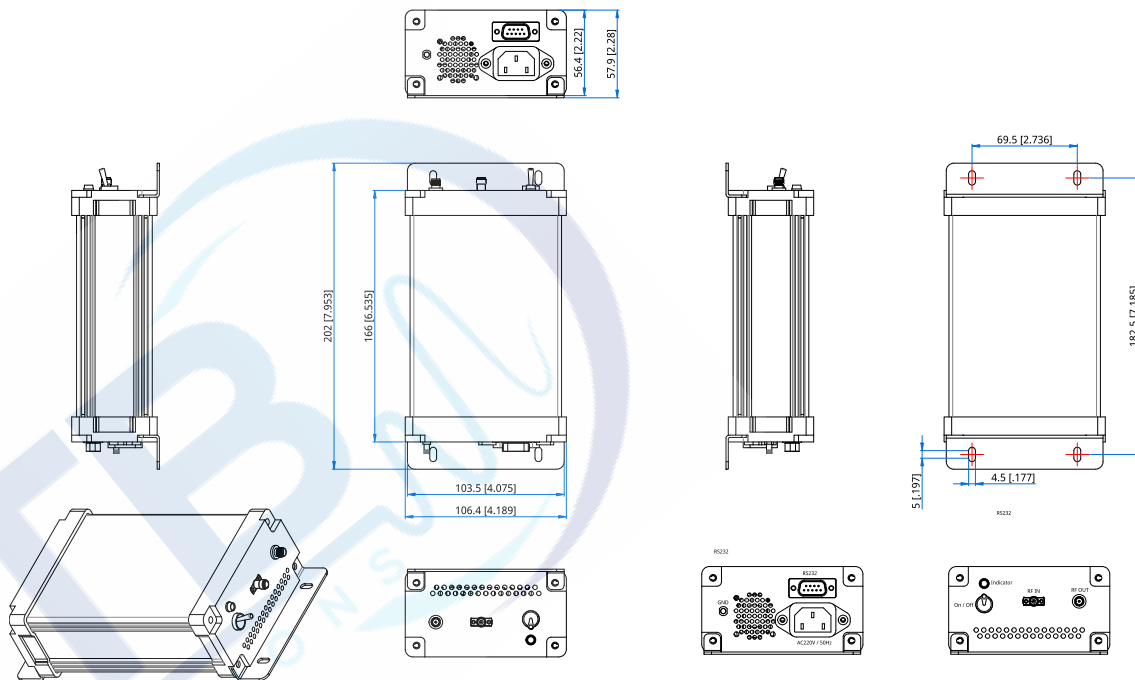
NLAS-26000-30000-25-50

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-40000-60000-35-70

40~60GHz, 35dB, 7dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	40~60GHz
Gain:	35dB typ.
Gain Flatness:	±2.5dB typ.
Output Power (P1dB):	20dBm typ.
Noise Figure:	7dB typ.
Spurious:	-60dBc max.
Harmonic:	-15dBc typ.
VSWR:	2 typ.
Voltage:	220V AC
Impedance:	50Ω

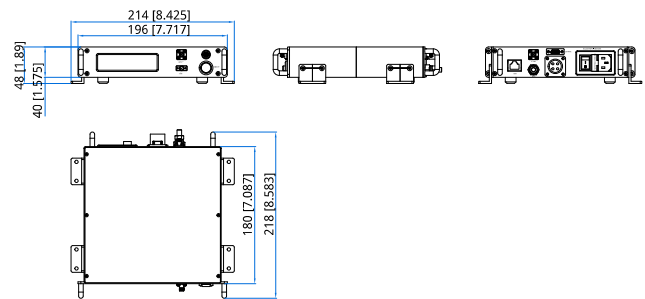
Mechanical

Size*1:	214*218*48mm 8.425*8.583*1.89in
Weight:	2Kg max.
RF Connectors:	1.85mm Female

Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-55~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±2mm [±0.08in]

How To Order

NLAS-40000-60000-35-70

Customization is available upon request.

NLAS-100-18000-35-40

0.1~18GHz, 35dB, 4dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.1~18GHz
Gain:	35dB min.
Gain Flatness:	±3dB max.
Output Power (P1dB):	10dBm min.
Noise Figure:	4dB max.
Spurious:	-60dBc max.
VSWR:	2.5 max.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm
	6.535*4.189*2.22in
Weight:	1.5Kg max.
RF Connectors:	SMA Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

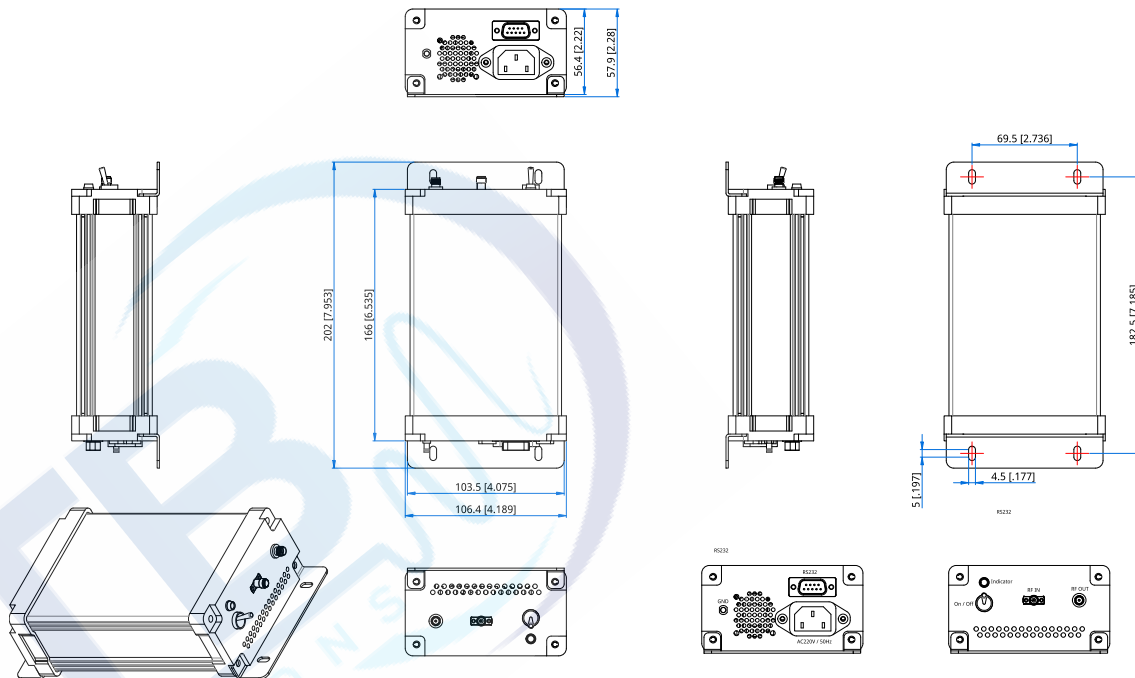
NLAS-100-18000-35-40

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-500-8000-20-25

0.5~8GHz, 20dB, 2.5dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~8GHz
Gain:	20dB min.
Gain Flatness:	±2dB max.
Output Power (P1dB):	20dBm min.
Noise Figure:	2.5dB max.
Spurious:	-60dBc max.
VSWR:	2 max.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm
	6.535*4.189*2.22in
Weight:	1.5Kg max.
RF Connectors:	SMA Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

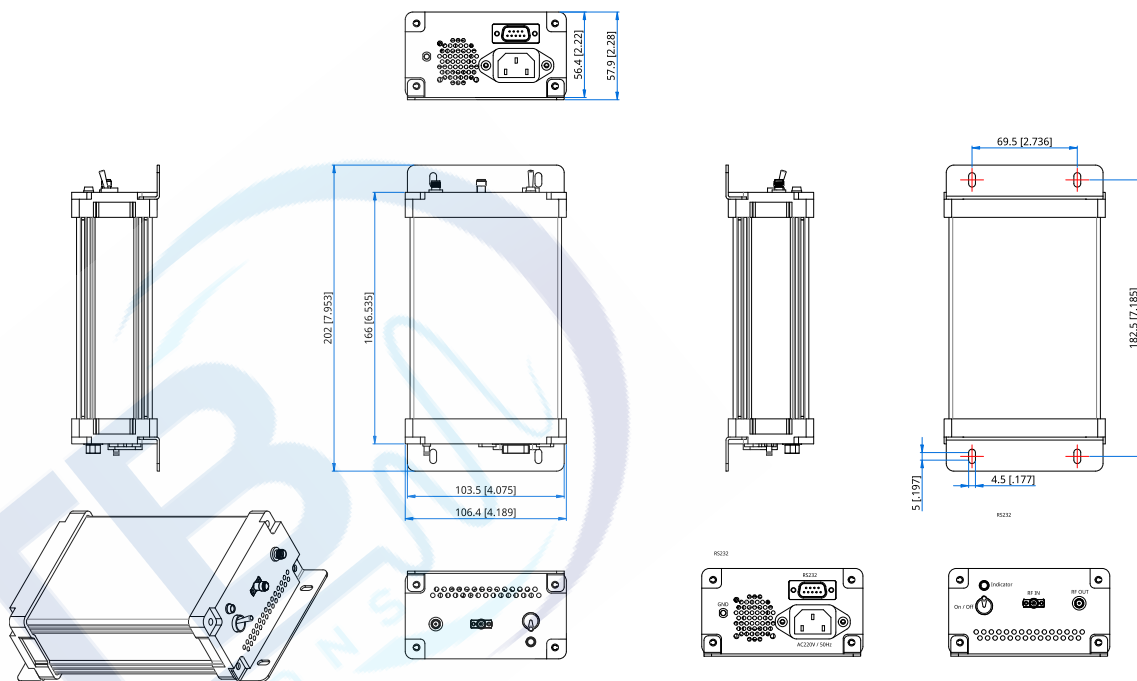
NLAS-500-8000-20-25

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-500-18000-45-30

0.5~18GHz, 45dB, 3dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~18GHz
Gain:	45dB typ.
Gain Flatness:	±2.5dB max.
Output Power (P1dB):	10dBm min.
Noise Figure:	3dB max.
Spurious:	-60dBc max.
VSWR:	2 max.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm
	6.535*4.189*2.22in
Weight:	1.5Kg max.
RF Connectors:	SMA Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

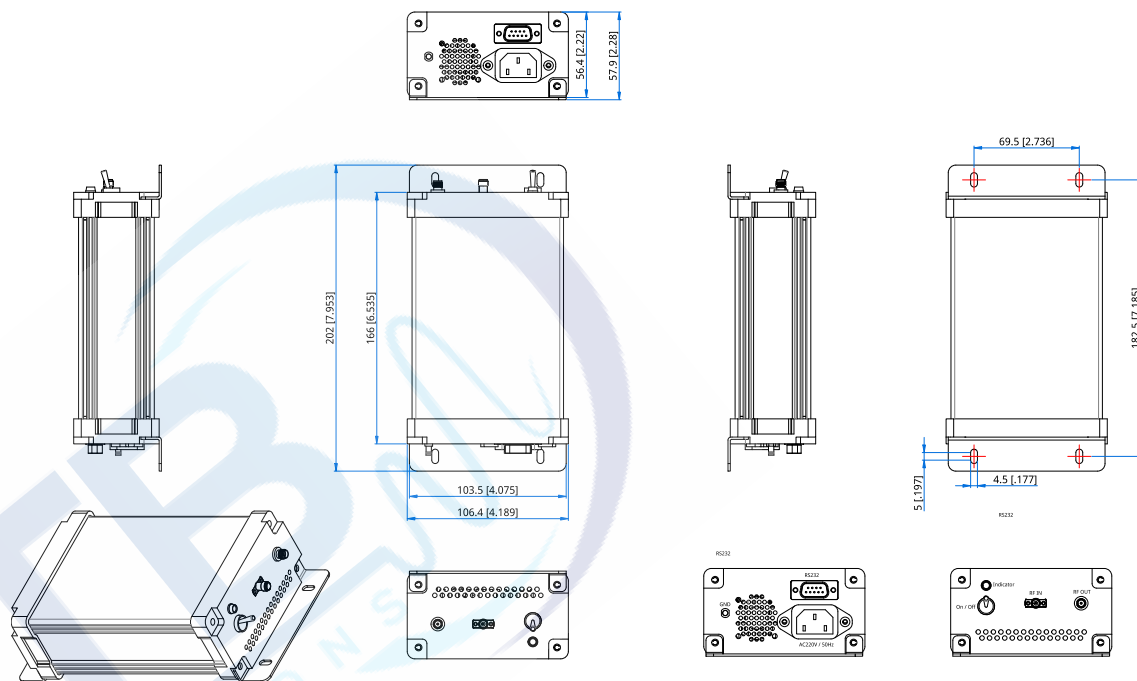
NLAS-500-18000-45-30

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-700-8000-30-25

0.7~8GHz, 30dB, 2.5dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.7~8GHz
Gain:	30dB min.
Passband Ripple:	±2dBm typ.
Noise Figure:	2.5dB typ.
Output Power (P1dB):	13dBm typ.
Spurious:	-60dBc max.
Harmonic:	-20dBc max.
IP3:	23dB typ.
Input VSWR:	2 typ.
Output VSWR:	2 typ.
Voltage:	220V AC
Current:	200mA typ.
Input Power Without Damage:	+10dBm max.

Mechanical

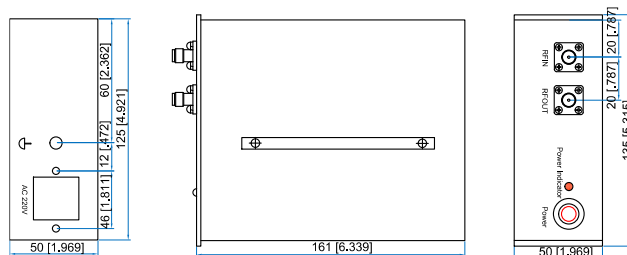
Size*1:	161*135*50mm 6.339*5.315*1.969in
RF Connectors:	SMA Female

[1] Exclude connectors.

Environmental

Operating Temperature:	-20~+65°C
Non-operating Temperature:	-30~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ±2mm [±0.08in]

How To Order

NLAS-700-8000-30-25

Customization is available upon request.

NLAS-1000-5000-25-40

1~5GHz, 25dB, 4dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~5GHz
Gain:	25dB typ.
Output Power (Psat):	20dBm min.
Noise Figure:	4dB max.
Isolation:	20dB typ.
Spurious:	-60dBc max.
VSWR:	1.8 typ.
Voltage:	110V AC
Input Power:	+20dBm max.
Impedance:	50Ω

Mechanical

Size^{*1}: 166*106.4*56.4mm
6.535*4.189*2.22in

Weight: 1Kg max.

RF Connectors: SMA Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

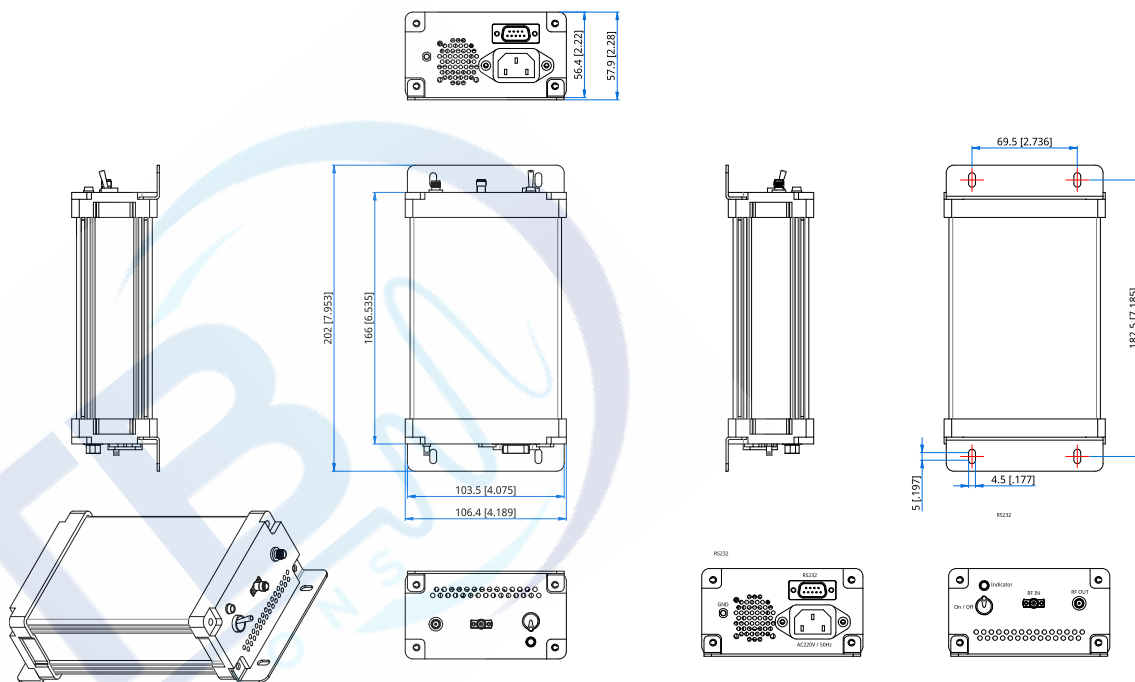
NLAS-1000-5000-25-40

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-1000-18000-40-30

1~18GHz, 40dB, 3dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~18GHz
Gain:	40dB min.
Gain Flatness:	±2dB typ.
Output Power (P1dB):	15dBm typ.
Noise Figure:	3dB typ.
Spurious:	-60dBc max.
VSWR:	2 typ.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm 6.535*4.189*2.22in
Weight:	1Kg max.
RF Connectors:	SMA Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

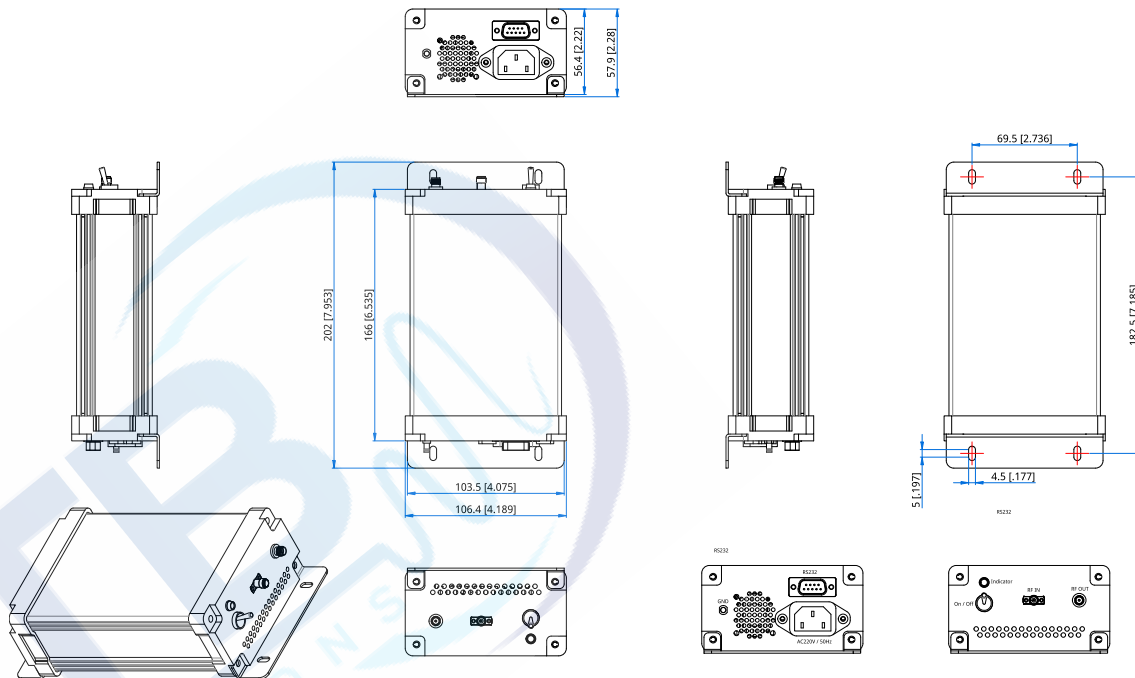
NLAS-1000-18000-40-30

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-1000-18000-55-22

1~18GHz, 55dB, 2.2dB

Features:
* Broadband
* Low Noise

Applications:
* Wireless
* Receiver
* Laboratory Test
* Radar

Electrical

Frequency:	1~18GHz
Gain:	55dB min.
Gain Flatness:	±1.5dB max.
Output Power (P1dB):	10dBm min.
Noise Figure:	2.2dB typ. 3dB max.
Spurious:	-60dBc max.
VSWR:	1.5 typ. 2.5 max.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm 6.535*4.189*2.22in
Weight:	1Kg max.
RF Connectors:	SMA Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

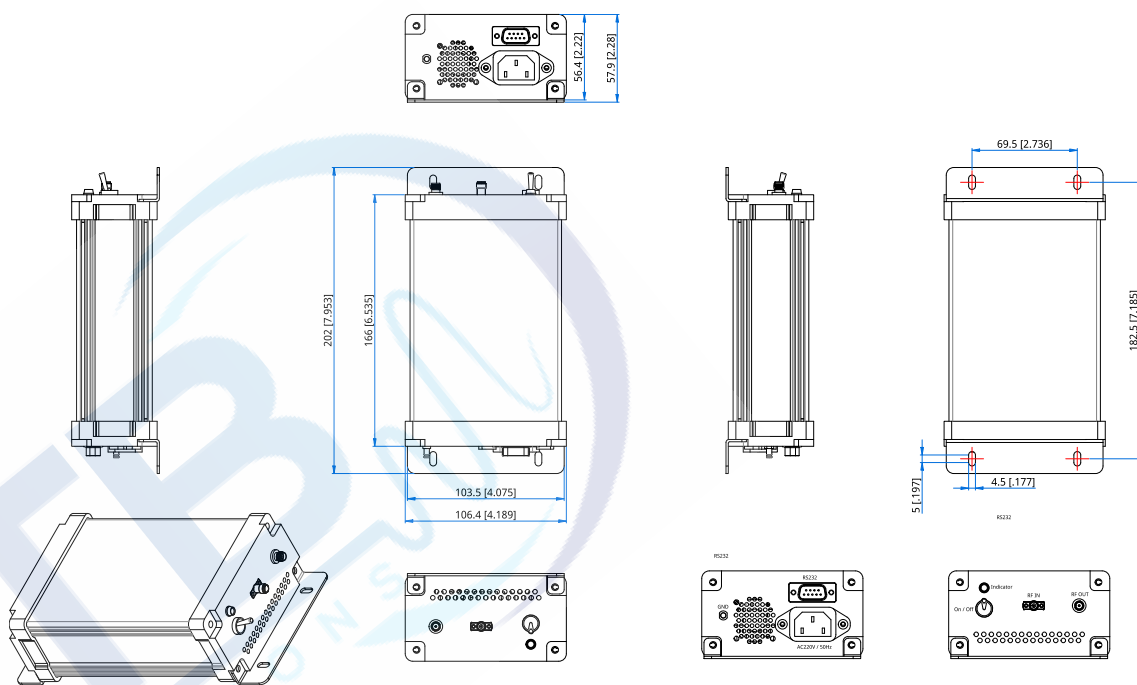
NLAS-1000-18000-55-22

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-6000-18000-50-30

6~18GHz, 50dB, 3dB

Features:
* Broadband
* Low Noise

Applications:
* Wireless
* Receiver
* Laboratory Test
* Radar

Electrical

Frequency:	6~18GHz
Gain:	50dB min.
Gain Flatness:	±1.5dB typ.
Output Power (P1dB):	15dBm min.
Noise Figure:	2.5dB typ. 3dB max.
Spurious:	-60dBc max.
VSWR:	1.5 typ. 2 max.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm 6.535*4.189*2.22in
Weight:	1Kg max.
RF Connectors:	SMA Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

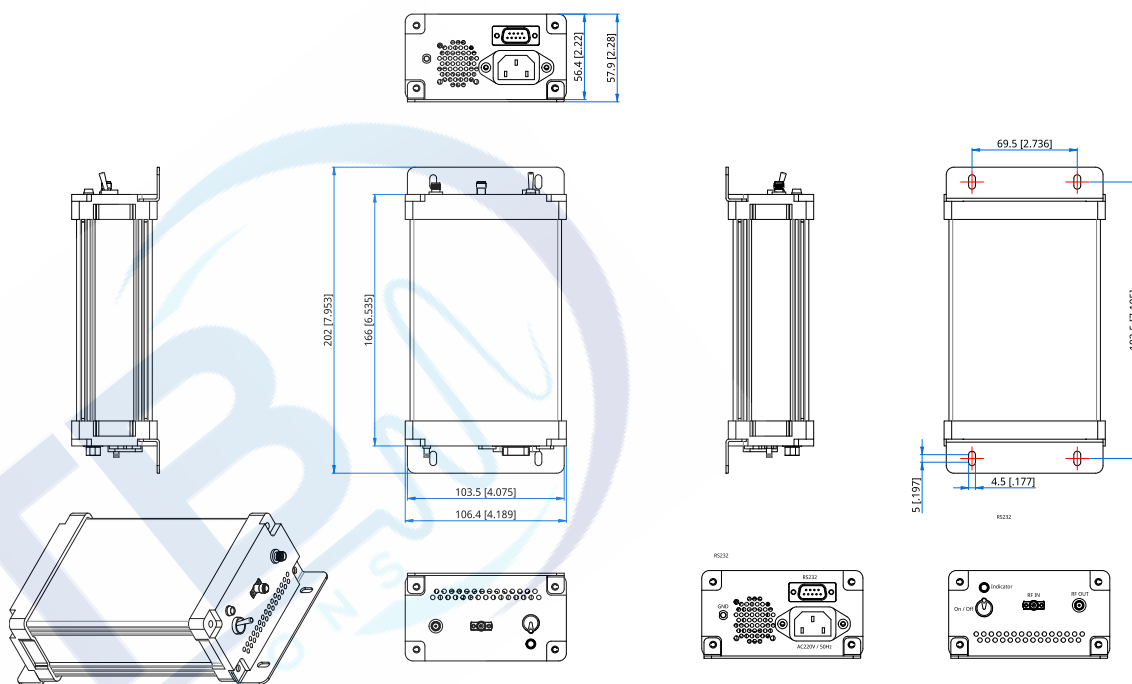
NLAS-6000-18000-50-30

Customization is available upon request.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NLAS-6000-40000-45-35

6~40GHz, 45dB, 3.5dB

Features:

- * Broadband
- * Low Noise

Applications:

- * Wireless
- * Receiver
- * Laboratory Test
- * Radar

Electrical

Frequency:	6~40GHz
Gain:	45dB min.
Gain Flatness:	±2.5dB typ.
Output Power (P1dB):	10dBm min.
Noise Figure:	3.5dB typ.
Spurious:	-60dBc max.
Harmonic:	-15dBc typ.
Input VSWR:	2.0 typ.
Output VSWR:	2.0 typ.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size:	120*90*46.2mm
	4.724*3.543*1.819in
RF Connectors:	2.4mm Female

[1] Exclude connectors.

Environmental

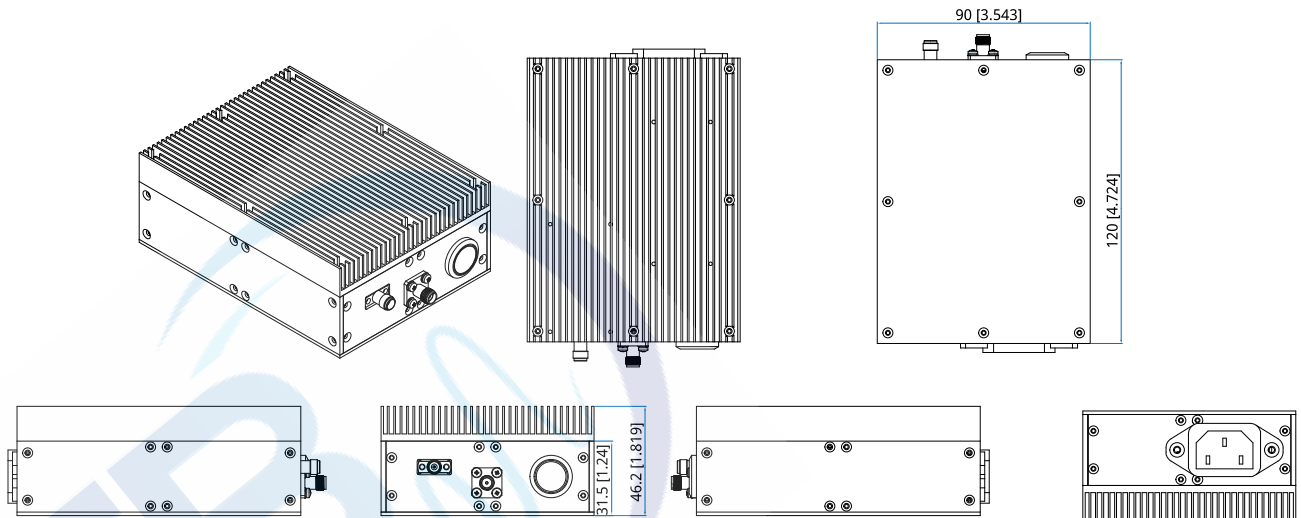
Operating Temperature:	-20~+60°C
Non-operating Temperature:	-40~+85°C

How To Order

[NLAS-6000-40000-45-35](#)

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]