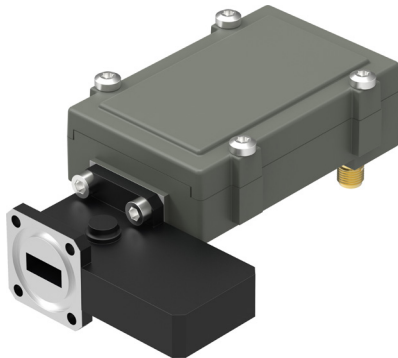


Ka LNA 17.30-22.30 GHz Dual output

Key features



- Frequency range 17.30-22.30 GHz
- Dual output
- 34 dB gain
- High P1dB and IP3
- Low loss Isolator as standard
- Wide operating temperature range

Description

The SMW Ka LNA is used together with one BDC or in a Dual, Triple or Quad System. The Ka-Band LNA cover 17.30-22.30 GHz and has two SMA-connector outputs. Separate DC SMA connector.

LNA rear connectors standard



A B

C

Connector A
Type: SMA female only
Function: RF Output

Connector B
Type: SMA female only
Function: RF Output

Connector C
Type: SMA female only
Functions: DC input

Explore our full product range in this category

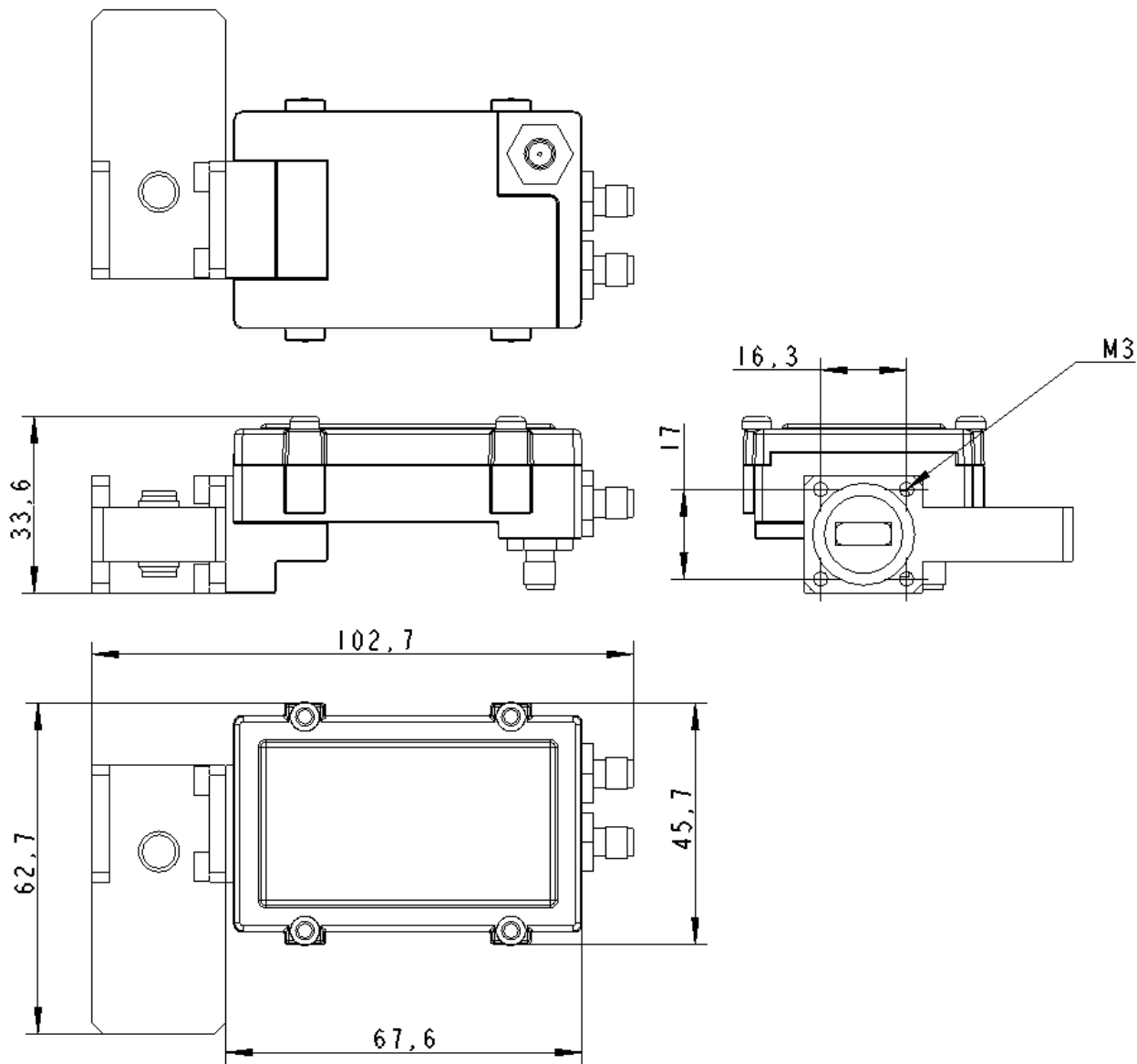
Ka LNA 17.30-22.30 GHz Dual output

Technical specifications

	Model	Dual output
INPUTS	Input frequency (GHz)	17.30-22.30 GHz
	Input WG	WR42
	Input flange	PBR220 with M3 thread
	Input VSWR	1.35:1 max. with Low Loss Isolator (included)
	DC input	+12 to 24 V
	DC connector	SMA female
	Gain	34 dB typ.
INTERNAL	Gain flatness	± 0.3 dB max. within 30 MHz, ±2 dB max. over band
	Gain variation	± 2 dB over temperature range.
	Noise figure @ 23°C	1.5 dB / 120 K typ., 1.8 dB / 149 K max.
OUTPUT	Output frequency	17.30-22.30 GHz
	Output P1dB	+8 dBm typ.
	Output IP3	+18 dBm typ.
	Output VSWR	2.0:1 typ. (2.3:1 max.)
	Output Connectors	2x SMA female 50Ω
	Current drain	110 mA typ.
GENERAL	Dimensions	103 x 63 x 34 mm
	Weight	160 g
	Temperature range	Storage and operating: -40 to +80°C, -40 to +176° F
	MTBF	MTBF as per MIL-HDBK-217F Notice 2: Environmental Condition GF (Ground Fixed): >690000 hours, Environmental Condition AIC (Airborne, Inhabited, Cargo): >360000 hour, Quality level: Commercial, Temperature used for MTBF calculation: +35°C Ambient
	Miscellaneous	Enclosed conductive O-ring, mounting screws, M3x8,4 pcs
OPTIONS	- Pressurizable 0.1 bar max.	

Ka LNA 17.30-22.30 GHz Dual output

Technical Drawing



Professional Satcom Frequency Converters & Components. All products are fully CE and RoHS compliant and every unit includes full documentation of performance tests and quality control. Please contact sales@smw.se to configure or customize the unit to your needs. Visit smw.se or scan QR code to see our full product range and request a quote.

