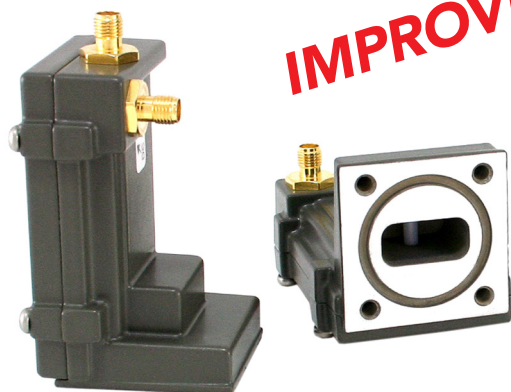


LNA

LNA (Low Noise Amplifier) Ku-Band

IMPROVED!


Optional Low loss isolator

All LNA (Low Noise Amplifier) units are individually hand tuned for the very best performance available. Quality and long term reliability is also essential. Therefore all LNA's are tested according to a very extensive test program.

The SMW waveguide Ku-Band LNA covers 10.70-12.75 GHz and is available with one or two outputs. Low input VSWR with optional waveguide isolator.

Features

- Frequency range 10.70-12.75 GHz
- Optional Low Loss Isolator
- Two output model
- Wide operating temperature range
- Compact size and light weight

TECHNICAL SPECIFICATIONS

MODEL:	Single output	Dual output
Input Frequency	10.70 - 12.75 GHz	
Gain	30 dB typ.	26 dB typ.
Flatness	± 0.3 dB max. within 30 MHz, ± 1.5 dB max. over band	
Gain Variation	± 1 dB over -40 to +80°C max.	
Noise Figure / Noise Temperature	0.8 dB / 59 K typ.	
Output P1dB	+ 11 dBm min.	+ 7 dBm min.
Output IP3	+ 21 dBm min.	+ 17 dBm min.
Output VSWR	1.35:1 typ., 1.50:1 max.	
Output Connector	SMA 50 Ω	
Input Waveguide	WR75 / R120	
Input Flange	PBR 120 with M4 thread	
Input VSWR	1.7:1 typ., 2.0:1 max., with optional low loss isolator 1.25:1 max.	
DC Input	+12 to +24V nom. (+10 V min., +26V max.)	
Current Drain	70 mA typ., 80 mA max.	
DC Connector	SMA	
Temperature Range	Storage and operating: -40 to +80°C	
Dimensions	78 x 46 x 44 mm, for drawing, see www.smw.se	
Weight	Appr. 124 g	
Options	Low Loss Isolator (gives input VSWR 1.25:1 max.), Pressurizable	
Miscellaneous	Enclosed conductive O-ring, mounting screws (M4 x 10) 4 pcs.	

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Above parameters are generic product family values. For part number specific min./max. values, please consult us.

Specifications are subject to change without notice. Products from Swedish Microwave AB are made for commercial use.

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