

SMW X-Line Wideband



Switchable Dual Band LNB

Five standard models with different LOs. Comes standard with very low phase noise, low noise figure, F-connector and two-year warranty. Options include high stability LO, customized gain, customized LO and N- or SMA-connector.

All our LNBs are individually hand tuned to get the very best performance available for each unit. Quality and long term reliability is also essential. Therefore are all LNBs tested according to a very extensive test program, which includes heating, cooling, water-proof testing and rigorous electrical testing.

Swedish Microwave was founded 1986 and, within Europe, is the oldest manufacturer of LNBs. In the standard product range we have DRO-LNBs, PLL-LNBs, LNAs, Block Downconverters (BDC), Up- & Down Converters, Quattro LNBs, Twin LNBs, Ortho mode transducers (OMT), Line Amplifiers and Feed horns.

Swedish Microwave is today one of the leading manufacturer of microwave components needed for satellite receiving equipment and other industrial products.

Specification SMW X-Line

SMW

Frequency range	
LO frequency	Band 1
	Band 2
Output frequency	Band 1
	Band 2

X-Line type A

10.95-11.95 / 11.95-12.75 GHz
10.0 GHz
11.0 GHz
950 - 1950 MHz
950 - 1750 MHz

X-Line type B

10.95-11.7 / 11.7-12.75 GHz
10.0 GHz
10.75 GHz
950 - 1700 MHz
950 - 2000 MHz

X-Line type C

10.7-11.7 / 11.7-12.75 GHz
9.75 GHz
10.75 GHz
950 - 1950 MHz
950 - 2000 MHz

SMW

Frequency range	
LO frequency	Band 1
	Band 2
Output frequency	Band 1
	Band 2

X-Line type E

10.7-11.7 / 11.7-12.75 GHz
9.75 GHz
10.6 GHz
950 - 1950 MHz
1100 - 2150 MHz

X-Line type G

10.95-11.7 / 12.25-12.75 GHz
10.0 GHz
11.3 GHz
950 - 1700 MHz
950 - 1450 MHz

General Specification

Noise figure, typical	
Gain	
Gain variation	
LO stability (over temp.)	
LO Phase noise typical	
LO radiation	
Image rejection	
1 dB gain compression point	
Input	
Output	
Output VSWR	
DC power	Band 1
	Band 2
Current	
Temperature range	
Weight	

SMW X-Line

0.8 dB
52 ± 3 dB
± 0.3 dB within 30 MHz
± 3 MHz
-75 dBc @ 1 kHz
-85 dBc @ 5 kHz
-95 dBc @ 10 kHz
-110 dBc @ 100 kHz
-120 dBc @ >1 MHz
-50 dBm
50 dB min
+5 dBm
WR-75 waveguide
F-connector, 75 ohm, water proof
2.0:1
11.5 - 14.0 V
16.0 - 19.0 V
140 mA typ
-30 to +60°C
230 g
High stability LO, ± 1 MHz over temp.
High stability LO, ± 1.5 MHz over temp.
High stability LO, ± 2 MHz over temp.
Customized gain
Customized LO's within 9.75-11.475 GHz
N- or SMA-connector 50 ohm
Extended frequency range
Low- & High band switching via 0/22 kHz in larger quantities

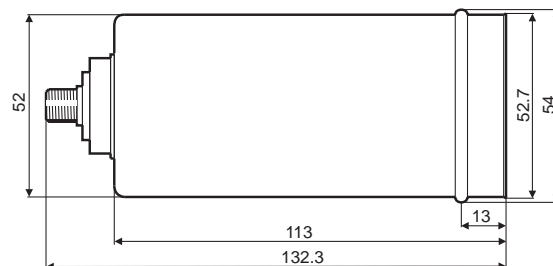
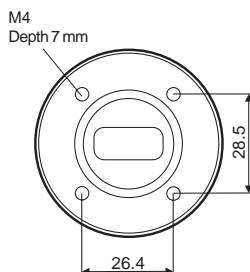
Options

Accessories

Enclosed accessories

Plastic covers

O-ring
Screw M4 x 8 4 pcs
Small M4 key



SMW
SWEDISH MICROWAVE AB

Box 230
591 23 MOTALA, SWEDEN
Tel. +46 141 21 61 35
Fax. +46 141 21 52 24
e-mail: info@smw.se
Website: <http://www.smw.se>