



# LNB

## KA-BAND EXT. REF

### 9000X



### TYPICAL SPECIFICATIONS

Noise figure	1.4 dB
L.O. stability	Phase Locked to External Reference
Phase noise (SSB)	-70 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -100 dBc/Hz at 100 kHz
Input VSWR	2.2 : 1
Output VSWR	2.0 : 1

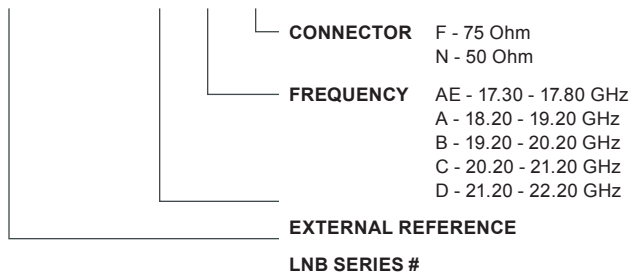
Conversion gain	56 dB
Output P1dB	5 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	300 mA
Input Waveguide	WR42
Dimensions	122 (L) x 60 (W) x 45 (H) mm (4.8 x 2.4 x 1.8 in)
Weight	400g / 14.1 oz
Ext Ref Frequency	10 MHz (sine-wave), -10 to 0 dBm
Temperature Range	-40°C to +60°C

### FREQUENCY BANDS AVAILABLE

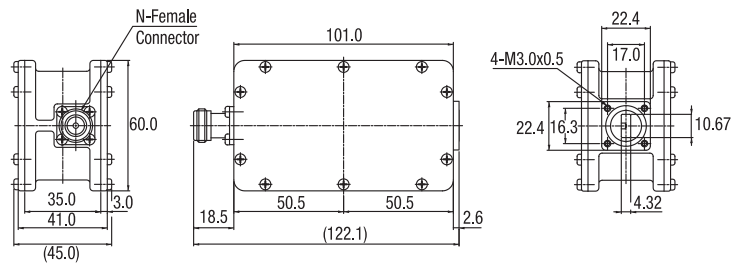
Typical service	9000XAE	9000XA	9000XB	9000XC	9000XD (*special order)
Input frequency (GHz)	17.30 to 17.80	18.20 to 19.20	19.20 to 20.20	20.20 to 21.20	21.20 to 22.20
L.O. frequency (GHz)	16.35	17.25	18.25	19.25	20.25
Output frequency (MHz)	950 to 1450	950 to 1950	950 to 1950	950 to 1950	950 to 1950

### HOW TO ORDER

## 9000XAN



### MECHANICAL DIAGRAM



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