



## LNB KA-BAND EXT. REF 9000X-2



### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	1.5 dB Typ, 1.8 dB Max.
<b>L.O. stability</b>	Phase Locked to External Reference
<b>Phase noise (SSB)</b>	-65 dBc/Hz at 100 Hz -75 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -100 dBc/Hz at 100 kHz
<b>Input VSWR</b>	2.0 : 1
<b>Output VSWR</b>	2.0 : 1
<b>Gain flatness over 1000 MHz</b>	4.0 dB p-p
<b>Gain variation over temperature @ fixed frequency (-40 to +60°C)</b>	5 dB max

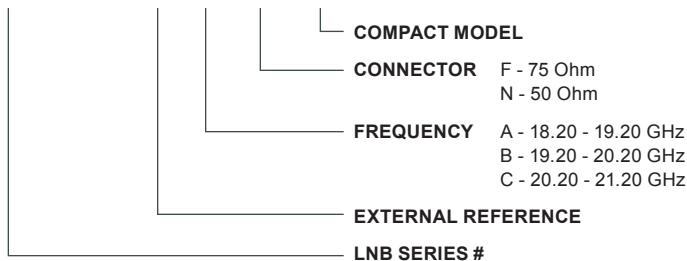
<b>Conversion gain</b>	55 dB
<b>Output P1dB</b>	3 dBm
<b>Power requirements</b>	+15 to +24 V supplied through center conductor of IF cable
<b>Current drain</b>	160 mA
<b>Input Waveguide</b>	WR42
<b>Dimensions</b>	111 (L) x 42 (W) x 42 (H) mm
<b>Weight</b>	350 g
<b>Ext Ref Frequency</b>	10 MHz (sine-wave), -10 to 0 dBm
<b>Temperature Range</b>	-40°C to +60°C

### FREQUENCY BANDS AVAILABLE

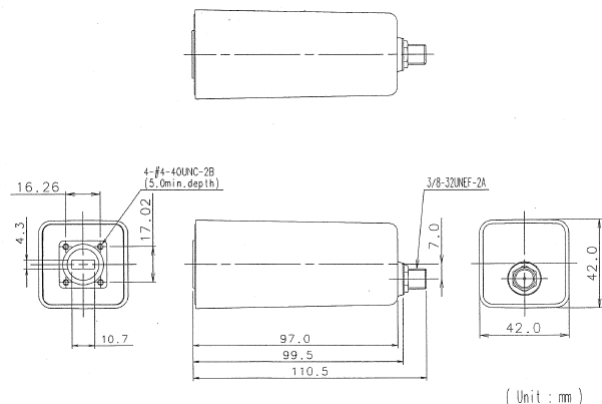
Typical service	9000XA-2	9000XB-2	9000XC-2
<b>Input frequency (GHz)</b>	18.20 to 19.20	19.20 to 20.20	20.20 to 21.20
<b>L.O. frequency (GHz)</b>	17.25	18.25	19.25
<b>Output frequency (MHz)</b>	950 to 1950	950 to 1950	950 to 1950

### HOW TO ORDER

## 9000XAN-2



### MECHANICAL DIAGRAM



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