



## LNB KA-BAND EXT. REF 9000XH



### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	1.3 dB
<b>L.O. stability</b>	Phase locked to External Reference
<b>Phase noise (SSB) max</b>	63 dBc/Hz at 100 Hz 80 dBc/Hz at 1 kHz 92 dBc/Hz at 10 kHz 100 dBc/Hz at 100 kHz
<b>Input VSWR</b>	1.3 : 1
<b>Output VSWR</b>	1.44 : 1

<b>Conversion gain</b>	60 dB
<b>Output P1dB</b>	>3 dBm
<b>Power requirements</b>	+9 to +13 V supplied through center conductor of IF cable (optional +18 V or +11 to + 28 V)
<b>Waveguide Flange</b>	WR42
<b>Current drain</b>	400 mA
<b>Dimensions</b>	120 (L) x 45 (W) x 51(H) mm (2.0 x 1.8 x 3.9 in)
<b>Weight</b>	350 g / 12.3 oz
<b>Temperature Range</b>	30°C to +55°C
<b>Input Stability</b>	Unconditionally Stable
<b>Gain Flatness</b>	2.5 dB p p over Full Band
<b>Gain Variation over Temp</b>	±2 dB
<b>External Reference</b>	10 MHz, 3 to +3 dBm
<b>Desensitization</b>	25 dBm (30 31 GHz)
<b>Max Input no damage</b>	0 dBm (20.2 21.2 GHz) +10 dBm (30 31 GHz)
<b>Comply to MIL STD</b>	MIL STD 188 164

### FREQUENCY BANDS AVAILABLE

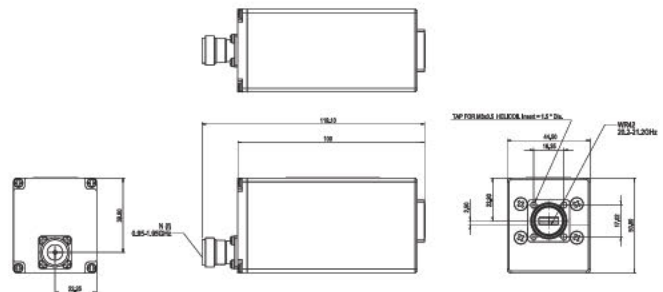
<b>Typical service</b>	9000XH	
<b>Input frequency (GHz)</b>	20.20 to 21.20	
<b>L.O. frequency (GHz)</b>	L: 19.25	H: 19.20
<b>Output frequency (MHz)</b>	L: 950 to 1950	H: 1000 to 2000

### HOW TO ORDER

#### 9000XHCN1-W3

<b>FLANGE HOLES</b>	3 M3x0.5 4 4 40
<b>W - WHITE T - TAN</b>	
<b>POWER REQ.</b>	1 +9 to + 13V 2 +18V 3 +11 to + 28 V
<b>OUTPUT CONNECTOR</b>	N N Connector
<b>INPUT FREQUENCY</b>	C 20.20 to 21.20 GHz
<b>FREQUENCY</b>	H 1000 2000 MHz L 950 1950 MHz
<b>EXTERNAL REFERENCE</b>	
<b>LNB SERIES #</b>	

### MECHANICAL DIAGRAM



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