



# LNB

## KA DUAL-BAND PLL

### 9000H-3



### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	1.6 dB max
<b>L.O. stability</b>	±25 KHz, ±50 KHz
<b>Phase noise (SSB) max</b>	-60 dBc/Hz at 100Hz -70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -100 dBc/Hz at 100 kHz -100 dBc/Hz at 1 MHz
<b>Input VSWR</b>	2.2 : 1
<b>Output VSWR</b>	2.0 : 1
<b>Conversion gain</b>	58 dB (min)
<b>Gain flatness over 1000 MHz</b>	2 dB p-p
<b>Output P1dB</b>	5 dBm
<b>Image rejection</b>	40 dBc min

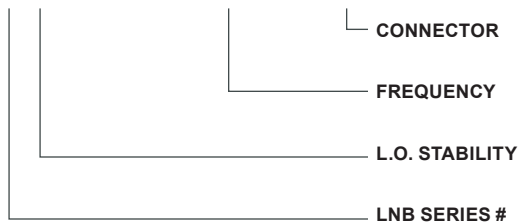
<b>DC power</b>	
Band 1	13 V
Band 2	18 V
<b>DC current</b>	350 mA
<b>Waveguide Flange</b>	WR-42
<b>Output connector</b>	N:50 Ω, F: 75 Ω
<b>Spurious</b>	
In band	-60 dBc
Out band	-50 dBc
<b>Dimensions</b>	132.3(L) x 70(W) x 39(H) mm
<b>Weight</b>	500 g
<b>Operating Temperature</b>	-40 to + 60°C

### FREQUENCY BANDS AVAILABLE

	AE	BE	B	C
<b>Frequency band (GHz)</b>	17.70 to 18.95	18.95 to 20.20	19.20 to 20.20	20.20 to 21.20
<b>L.O. frequency (GHz)</b>	16.75	18.0 0	18.25	19.25
<b>IF frequency (MHz)</b>	950 to 2200	950 to 2200	950 to 1950	950 to 1950

### HOW TO ORDER

## 9200HBC-3F



F - 75 Ohm  
N - 50 Ohm  
AEB - AE & BE  
BC - B&C  
2: ±25 kHz  
5: ±50 kHz

### MECHANICAL DIAGRAM

