



## LNB

# KA TRIPLE-BAND PLL

## 9000HT-3



### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	1.5 dB max
<b>L.O. stability</b>	±25 KHz
<b>Phase noise (SSB) max</b>	-70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100 kHz
<b>Input VSWR</b>	2.0 : 1
<b>Output VSWR</b>	2.0 : 1
<b>Conversion gain</b>	58 dB (min)
<b>Gain flatness over 1000 MHz</b>	4 dB p-p
<b>Output P1dB</b>	5 dBm
<b>Image rejection</b>	40 dBc min

<b>DC power</b>	
A0-band	13 V
A-band	18 V
B-band	13 V + 22 KHz tone
<b>DC current</b>	350 mA (11 - 24V)
<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>	133(L) x 70(W) x 39(H) mm
<b>Weight</b>	500 g
<b>Operating Temperature</b>	-40 to +60°C

### FREQUENCY BANDS AVAILABLE

	A0	A	B
<b>Frequency band (GHz)</b>	17.30 to 18.30	18.30 to 19.30	19.30 to 20.20
<b>L.O. frequency (GHz)</b>	16.35	17.35	18.35
<b>IF frequency (MHz)</b>	950 to 1950	950 to 1950	950 to 1850

### HOW TO ORDER

## 9200HT-3F

CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	A0&A&B
INTERNAL PLL	
L.O. STABILITY	2: ±25 kHz 5: ±50 kHz
LNB SERIES #	

### MECHANICAL DIAGRAM

