

## Satellite Earth Station Antennas

# Norsat 3000 Series C-Band PLL LNBS



### TYPICAL SPECIFICATIONS

Noise temperature	20K to 30K depending on model number
L.O. stability (over temperature excl offset)	$\pm 5$ kHz to $\pm 25$ kHz depending on model number
Phase noise (SSB)	-73 dBc/Hz at 1kHz -83 dBc/Hz at 10kHz -93 dBc/Hz at 100kHz
Input VSWR	2.2 : 1
Output VSWR	2.2 : 1

### FREQUENCY BANDS AVAILABLE

Input frequency (GHz)	3.40 to 4.20	4.50 to 4.80
L.O. frequency (GHz)	5.15	5.95
Output frequency (MHz)	950 to 1750	1150 to 1450

### HOW TO ORDER C-BAND 3000

#### 3120N

CONNECTOR.....	F - 75 Ohm N - 50 Ohm
NOISE TEMPERATURE.....	15 - 15K 20 - 20K 25 - 25K 30 - 30K
L.O. STABILITY.....	1ppm - $\pm 5$ kHz 2ppm - $\pm 10$ kHz 5ppm - $\pm 25$ kHz
LNB SERIES #	

Conversion gain	62 dB
Output P1dB	9 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	330 mA
Dimensions	180 (L) x 100 (W) x 70 (H) mm (7.1 x 4.0 x 2.8 in)
Weight	700 g / 25 oz

### MECHANICAL DIAGRAM

