

Norsat 8000 Series

C-Band Digital LNBs



TYPICAL SPECIFICATIONS

Noise temperature	15K to 30K depending on model number
L.O. stability (over temperature excl offset)	±100 kHz to ±500 kHz depending on model number
Phase noise (SSB)	-65 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz
Input VSWR	2.0 : 1
Output VSWR	2.2 : 1

Conversion gain	64 dB
Output P1dB	8 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	130 mA
Dimensions	180 (L) x 100 (W) x 70 (H) mm (7.1 x 4.0 x 2.8 in)
Weight	425 g / 15 oz

FREQUENCY BANDS AVAILABLE

Typical service	8000	8000I
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 8000

8215F

CONNECTOR.....	F - 75 Ohm N - 50 Ohm
NOISE TEMPERATURE.....	15 - 15K 20 - 20K 25 - 25K 30 - 30K
L.O. STABILITY.....	1 - ±100 kHz 2 - ±250 kHz 5 - ±500 kHz
LNB SERIES #	

MECHANICAL DIAGRAM

