



# 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)	$\pm 100$ kHz to $\pm 500$ 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

### 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

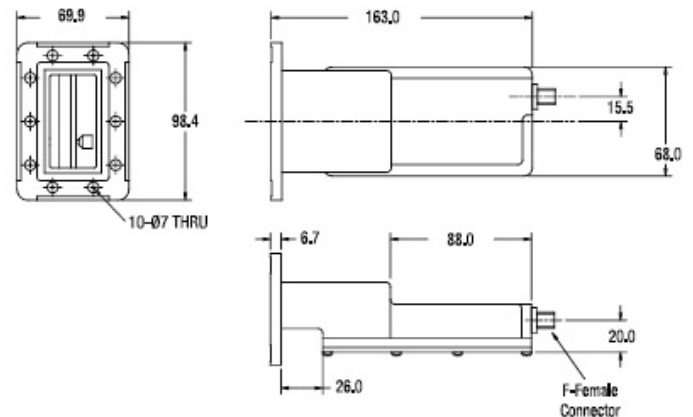
#### 8215F

CONNECTOR.....	F - 75 Ohm N - 50 Ohm
NOISE TEMPERATURE.....	15 - 15K 20 - 20K 25 - 25K 30 - 30K
L.O. STABILITY.....	1 - $\pm 100$ kHz 2 - $\pm 250$ kHz 5 - $\pm 500$ kHz

LNB SERIES #

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

### MECHANICAL DIAGRAM



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