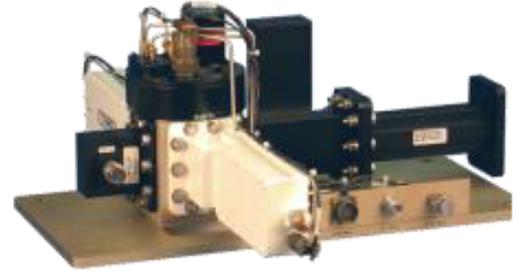


# LNB REDUNDANT SYSTEM

## SatDNRS-xx

### Overview

Our Low-Noise Amplifier (LNA) series includes LNAs and redundant LNA/LNB systems (C-, X-, Ku- or Ka-Band). They meet or exceed system requirements for commercial geosynchronous satellites worldwide. Their compact design and rugged construction make them ideal for transportable applications and severe environments. The LNAs have a comprehensive set of options to accommodate systems ranging from Very Small Amplifier Terminal (VSATs) to major earth stations. The redundant LNA/LNB systems include primary and backup LNA(B)s and an automatic switching controller. In case of primary LNA/LNB failure, fast automatic switchover to the backup LNA/LNB minimizes downtime.



### SPECIFICATIONS

#### SYSTEM

Insertion Loss (Waveguide to LNB)	0.5 dB max.
(LNB to Cable)	2.8 dB max.
Output VSWR	2.0 Maximum
IF Range	950 - 2150 MHz
Switchover Time	Ku/Ka/X-Band: 420ms max. C-Band: 550ms max.
Power	100-240 VAC (50-60 Hz)

#### ENVIRONMENTAL

Operating Temperature Storage	-40 to +60C
Temperature Operational	-50 to +80C
Humidity Storage Humidity	8% - 100%10%
Waterproofing (ODU)	- 100%IP66

#### MECHANICAL

##### Weight

C-Band 1:1	7.2 kg
C-Band 1:2	17.5 kg
Ku/Ka/X-Band 1:1	5.8 kg
Ku/Ka/X-Band 1:2	7.9kg

##### Dimensions (L x W x H)

C-Band 1:1	16.25 in x 12.00 in x 8.84 in
C-Band 1:2	23.00 in x 17.00 in x 8.84 in
Ka-Band 1:1 / 1:2	16.25 in x 12.00 in x 4.56 in
Ku/X-Band 1:1 / 1:2	16.25 in x 12.00 in x 5.01 in

##### Waveguide

Ku-Band-WR-75  
Ka-Band-WR-42  
C-Band-WR-229  
X-Band - WR-112

\* Above Specifications are subject to change without notice.

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