



# MICROWAVE COMPONENT LNB REDUNDANT SWITCH SYSTEM RS-LNB

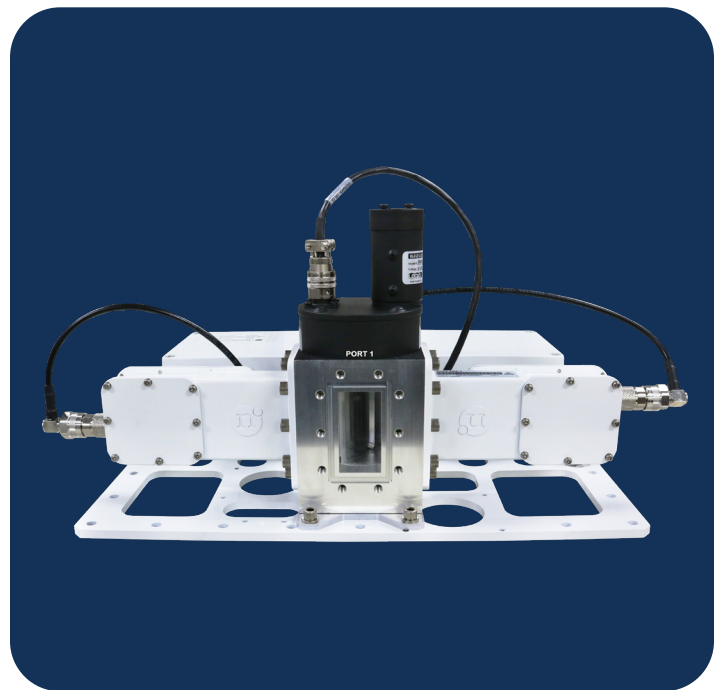
## APPLICATIONS

Norsat's Redundant LNB Switch System features a slim, streamline outdoor unit mounted on a plate for easy installation. Automatically detect signal faults and switch to an alternate LNB - providing maximum satellite service availability. Receive-side signal continuity is maintained via continuous power detection, and upon detecting a fault, signal is automatically switched to the reserve LNB.

Available for either 1:1 or 1:2 redundancy applications, Norsat LNB Redundant Switch solutions combine the reliability and performance of down conversion products with the ultimate system safeguarding solution for remote and challenging satellite terminal installations.

## FEATURES

- C, Ku, Ka and X-band Systems Available
- Automatically detect LNB failure via DC current
- Fully automatic or manually-commanded redundancy
- M&C through Ethernet (SNMP, Web Interface)
- Custom requirement available
- Optional 1U-19" Indoor Unit
- Supporting Single-Band & Multi-Band LNB with Internal/ External Reference

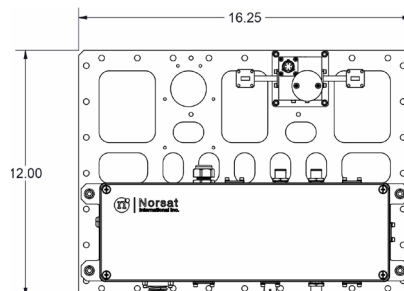


## MECHANICAL DIAGRAM

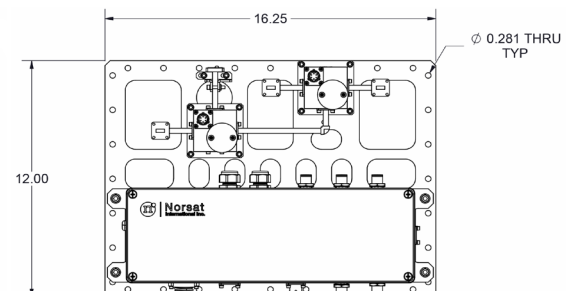
IDU



1:1 Switch (Ku/Ka Band)



1:2 Switch (Ku/Ka Band)



# 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

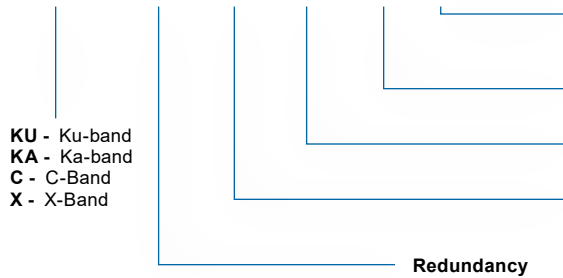
Operating Temperature	-40 to +60°C
Storage Temperature	-50 to +80°C
Operational Humidity	8% - 100%
Storage Humidity	10% - 100%
Waterproofing (ODU)	IP66

## MECHANICAL

Weight	C-Band 1:1	15 lbs (6.8 kg)
	C-Band 1:2	36 lbs (16.3 kg)
	Ku/Ka/X-Band 1:1	12 lbs (5.4 kg)
	Ku/Ka/X-Band 1:2	15 lbs (6.8kg)
IDU	3.45 lbs (1.6 kg)	
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
	IDU	19.00 in x 9.86 in x 1.72 in
Package (L x W x H)	C-Band 1:2 ODU	26.50 in x 21.00 in x 12.25 in (38 lbs)
	All Other ODU	19.75 in x 15.50 in x 12.25 in (18 lbs)
	IDU	20.75 in x 12.75 in x 7.00 in (7 lbs)
	30m Single Cable	12.75 in x 12.75 in x 7.00 in (6 lbs)
	50m Single Cable	12.75 in x 12.75 in x 9.00 in (9 lbs)
	100m Single Cable	12.75 in x 13.00 in x 14.00 in (18 lbs)
*(weight & dimension excluding devices)		
Input	Ku-Band - WR-75	
	Ka-Band - WR-42	
	C-Band - WR-229	
	X-Band - WR-112	
	BLANK - No Option	

## HOW TO ORDER

# RSLNB KU 11 N R M P



- BLANK** - No Option
- P** - Redundant Power Supply Connector (Power supply cable not included)
- BLANK** - No Option
- M** - Boom Mount (1:1 Redundancy Only)
- BLANK** - No Option
- R** - 10 MHz Reference
- F** - F Connector Output
- N** - N Connector Output
- 11** - 1:1
- 12** - 1:2

## LNB OPTIONS (N-CONNECTOR LNB ONLY)

Ku-Band	1000 or HS1000 Series
Ka-Band	9000 Series
C-Band	3000 Series or 3000-BPF Series
X-Band	XT1000 Series

## CABLE & POWER PLUG OPTIONS

	30m	50m	100m		
<b>IFL Cable (1:1 Redundancy)</b>	RS-IFL-30F RS-IFL-30N	RS-IFL-50F RS-IFL-50N	RS-IFL-100F RS-IFL-100N		
<small>*1:1 IFL CABLE includes Ethernet cable, Power Supply cable and IF Cable.</small>					
<b>IFL Cable (1:2 Redundancy)</b>	RS-IFL-2-30F RS-IFL-2-30N	RS-IFL-2-50F RS-IFL-2-50N	RS-IFL-2-100F RS-IFL-2-100N		
<small>*1:2 IFL CABLE includes Ethernet cable, Power Supply cable and two IF Cables.</small>					
<b>Redundant Power Supply Cable</b>	RS-PS-30	RS-PS-50	RS-PS-100		
<b>Power Plug for IFL/Power Supply Cable</b>	<b>North America</b> RS-NA	<b>Europe</b> RS-EU	<b>Australia</b> RS-AU	<b>United Kingdom</b> RS-UK	<b>China</b> RS-CN

## OPTIONAL CONFIGURATION ADD-ONS

	North America	Europe	Australia	United Kingdom	China
<b>Optional 1U-19" Indoor Unit</b>	RS-IDU-NA	RS-IDU-EU	RS-IDU-AU	RS-IDU-UK	RS-IDU-CN
<b>RS-FILTER</b>	Transmit reject filter for LNB Redundancy Switch				

Request A Quote