



MICROWAVE COMPONENT LNB REDUNDANT SWITCH SYSTEM RS-LNB

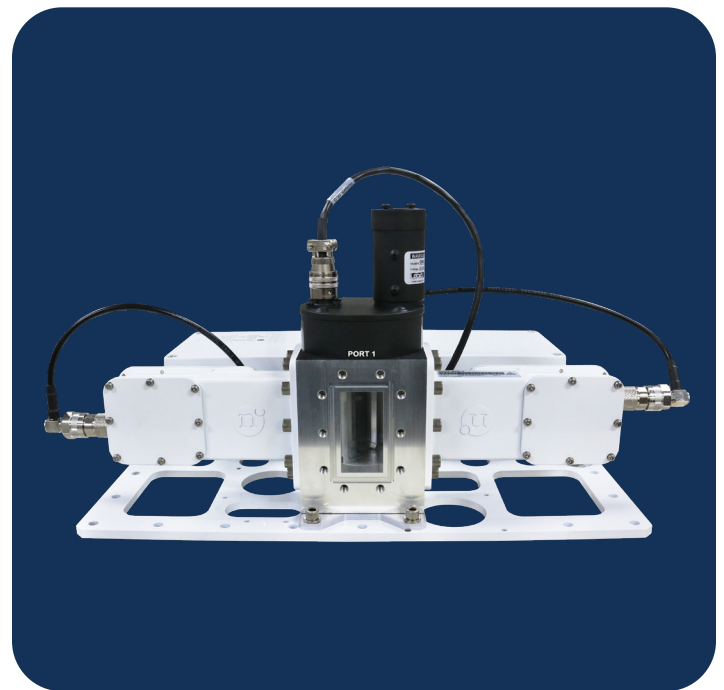
APPLICATIONS

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

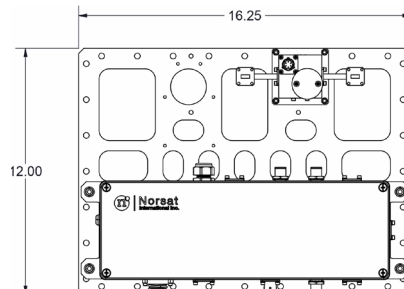


MECHANICAL DIAGRAM

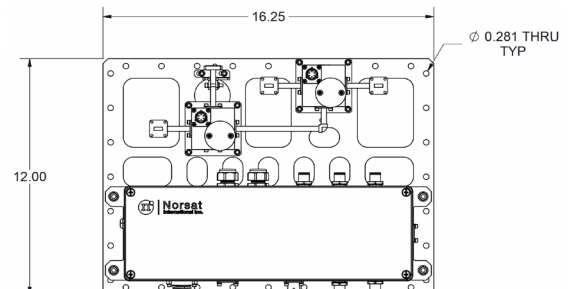
IDU



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

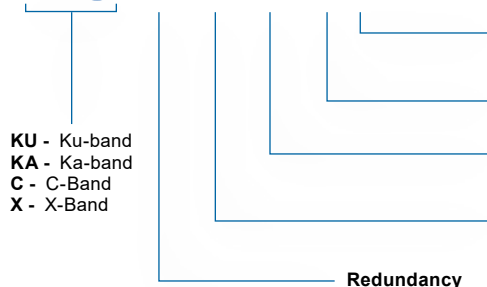
Operating Temperature	-40 to +60°C
Storage Temperature	-50 to +80°C
Operational Humidity	8% - 100%
Storage Humidity	10% - 100%
Waterproofing (ODU)	IP66

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)
Boom Mount	IDU	3.45 lbs (1.6 kg)
	Feed Mount (RF switch)	Controller Box (including 2m IFL)
	C-Band 6.04 lb (2.74 kg)	7.70 lb (3.49 kg) max.
	Ku-Band 1.94 lb (0.88 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
Package (L x W x H)	IDU	19.00 in x 9.86 in x 1.72 in
	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) *(weight & dimension not including LNBS)
Input		Ku-Band - WR-75
		Ka-Band - WR-42
		C-Band - WR-229
		X-Band - WR-112

HOW TO ORDER

RSLNBKU11NRMP



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
I - 10 MHz Injection via SMA (External Reference LNB)

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 or 3000-sBPF Series
X-Band	XT1000 Series

AC CABLE OPTIONS

	North America	Europe	Australia	United Kingdom	China	Wire Lead
10m AC Cable	RS-PS-10-NA	RS-PS-10-EU	RS-PS-10-AU	RS-PS-10-UK	RS-PS-10-CN	RS-PS-10-WL
30m AC Cable	RS-PS-30-NA	RS-PS-30-EU	RS-PS-30-AU	RS-PS-30-UK	RS-PS-30-CN	
50m AC Cable	RS-PS-50-NA	RS-PS-50-EU	RS-PS-50-AU	RS-PS-50-UK	RS-PS-50-CN	
100m AC Cable	RS-PS-100-NA	RS-PS-100-EU	RS-PS-100-AU	RS-PS-100-UK	RS-PS-100-CN	

OPTIONAL CONFIGURATION ADD-ONS

	North America	Europe	Australia	United Kingdom	China
Optional 1U-19" Indoor Unit	RS-IDU-NA	RS-IDU-EU	RS-IDU-AU	RS-IDU-UK	RS-IDU-CN
Transmit reject filter for Ku-Band	TRF-KU				
Transmit reject filter for Ka-Band	TRF-KA				
Transmit reject filter for C-Band	TRF-C				
Transmit reject filter for X-Band	TRF-X				

IFL Cable Refer to RSW IFL datasheet for more information (DOC-003222)