



MICROWAVE COMPONENT LNB REDUNDANT SWITCH SYSTEM RS-LNB

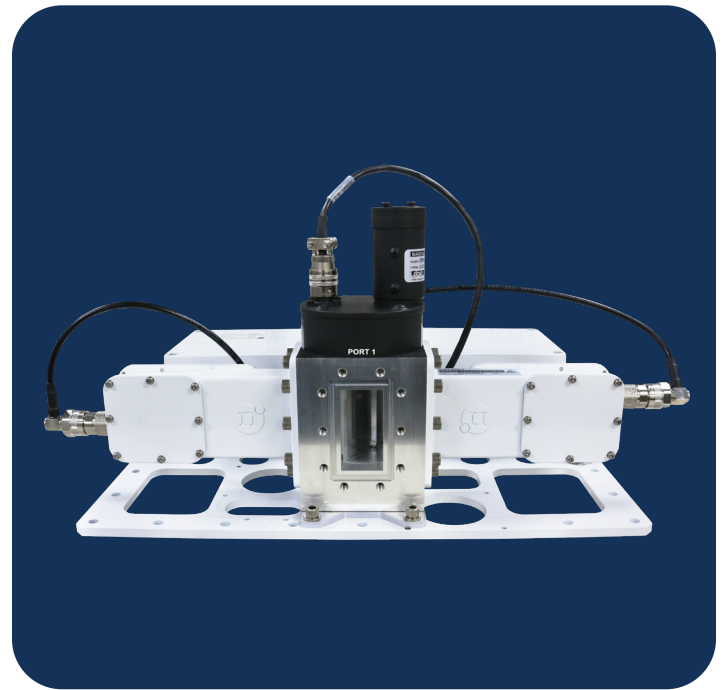
APPLICATIONS

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 and Ka-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

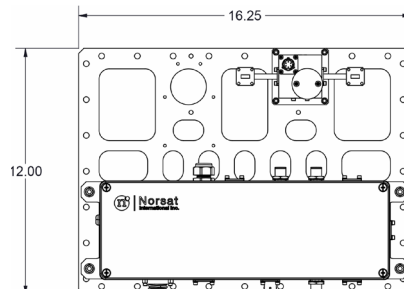


MECHANICAL DIAGRAM

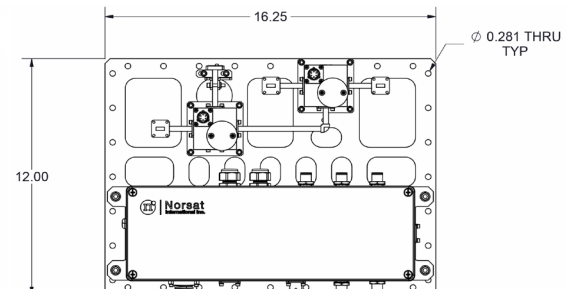
IDU



1:1 Switch (Ku/Ka Band)



1:2 Switch (Ku/Ka Band)

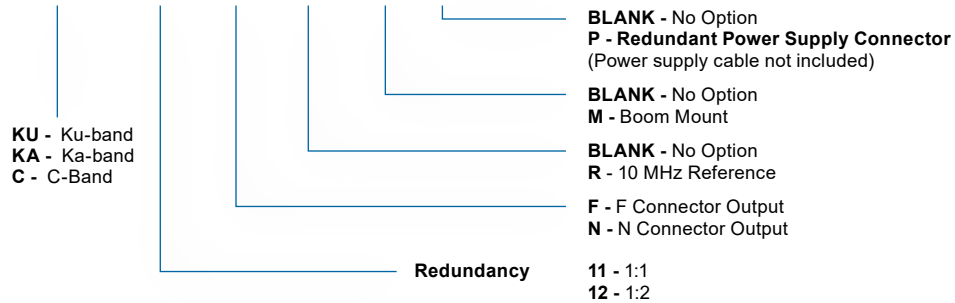


SPECIFICATIONS

SYSTEM		MECHANICAL			
Insertion Loss (Waveguide to LNB)	0.5 dB max.	Weight	C-Band 1:1	15 lbs (6.8 kg)	
(LNB to Cable)	1.0 dB max.		C-Band 1:2	36 lbs (16.3 kg)	
Output VSWR	1.5 Maximum		Ku/Ka-Band 1:1	12 lbs (5.4 kg)	
IF Range	950 - 2150 MHz		Ku/Ka-Band 1:2	15 lbs (6.8kg) (excluding installed devices)	
Switchover Time	Ku-Band/Ka-Band: 100ms max. C-Band: 150ms max.	Dimensions (L x W x H)	C-Band 1:1	16.25 in x 12.00 in x 8.84 in	
Power	90-250VAC (50-60 Hz)		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-Band 1:1 / 1:2	16.25 in x 12.00 in x 5.01 in (excluding installed devices)	
ENVIRONMENTAL		Packaging		26 in x 23 in x 27 in (661 mm x 584 mm x 686 mm)	
Operating Temperature	-40 to +60°C		Input		Ku-Band - WR-75
Survival Temperature	-45 to +75°C				Ka-Band - WR-42
Relative Humidity	<100%				C-Band - WR-229
Waterproofing	IP66				

HOW TO ORDER

RSLNB KU 11 N R M P



LNB OPTIONS (N-CONNECTOR LNB ONLY)

Ku-Band	1000H or HS1000 Series
Ka-Band	9000 Series
C-Band	3000 Series

CABLE & POWER PLUG OPTIONS

	30m	50m	100m		
IFL Cable (1:1 Redundancy)	RS-IFL-30F RS-IFL-30N	RS-IFL-50F RS-IFL-50N	RS-IFL-100F RS-IFL-100N		
<small>*IFL Cable includes Ethernet cable, Power supply cable and IF cable</small>					
IFL Cable (1:2 Redundancy)	RS-IFL-2-50F RS-IFL-2-50N	RS-IFL-2-50F RS-IFL-2-50N	RS-IFL-2-100F RS-IFL-2-100N		
<small>*IFL Cable includes Ethernet cable, Power supply cable and IF cable</small>					
Redundant Power Supply Cable	RS-PS-30	RS-PS-50	RS-PS-100		
Power Plug for IFL/Power Supply Cable	North America RS-NA	Europe RS-EU	Australia RS-AU	United Kingdom RS-UK	China RS-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
RS-FILTER	Transmit reject filter for LNB Redundancy Switch				