Norsat International Inc.

Innovative Communication Solutions

MICROWAVE COMPONENT

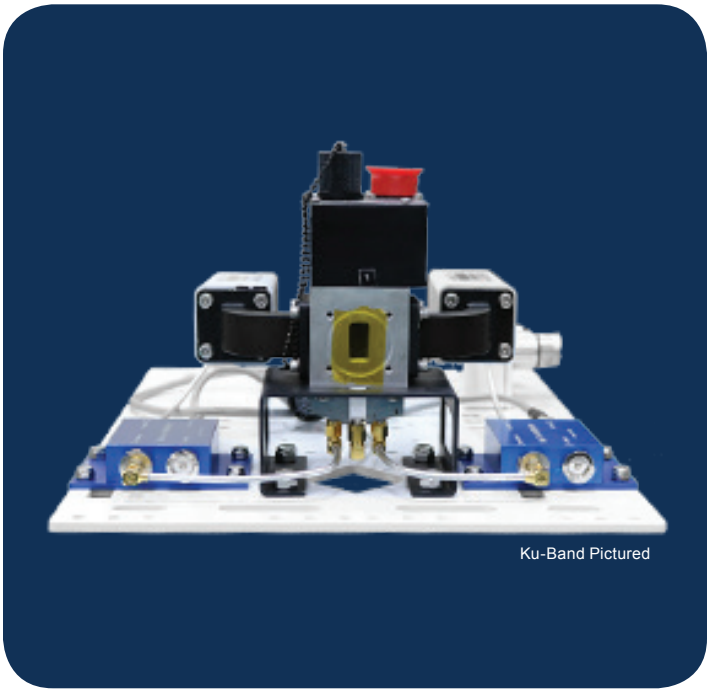
LNB REDUNDANT SWITCH SYSTEM

RS-LNB

APPLICATIONS

Norsat's Redundant LNB Switch Systems automatically detect signal faults and switch to an alternate LNB, LNA or BDC - 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/LNA/BDC Redundant Switch solutions combine the reliability and performance pedigree of down conversion products with the ultimate system safeguarding solution for remote and challenging satellite terminal installations.



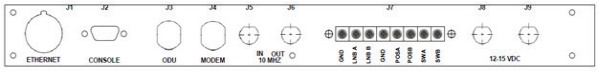
Ku-Band Pictured

FEATURES

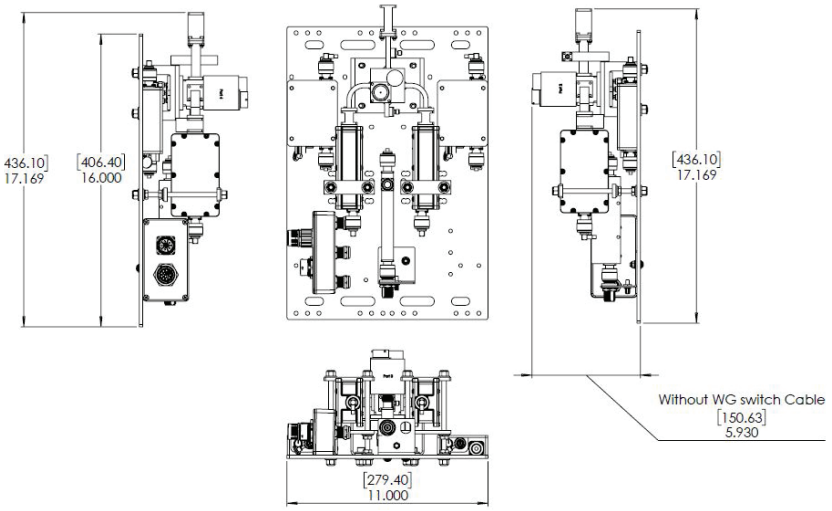
- C, X, Ku and Ka-band Systems available
- Automatically detect LNB/LNA/BDC failure via DC current
- Fully automatic or manually-commanded redundancy
- 1RU - 19" IDU with easy-to-read LED status indicators
- M&C interface, remote/SNMP
- Custom requirements available

MECHANICAL DIAGRAM

Front Panel



Back Panel



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SPECIFICATIONS

SYSTEM

ODU	
Insertion Loss	0.5 dB max.
Input VSWR	1.5 : 1 max (without LNB / LNA / BDC)
Output VSWR	1.5 : 1 max (without LNB / LNA / BDC)
Switchover Time	120ms max.
IDU	
Power	90 - 264 VAC (47 - 63Hz)

ENVIRONMENTAL

Operating Temperature	
ODU	-40 to +60˚C
IDU	0 to +55˚C
Relative Humidity	
ODU	<100%
IDU	<95% non-condensing

MECHANICAL

Weight	
ODU	20 lbs (9 kg) max. (excluding installed devices)
IDU	10 lbs (4.5 kg) max. (dependes on options selected)
Dimensions (W x H x D)	
ODU	19 in x 6.25 in x 11.6 in (483 mm x 159 mm x 295 mm)
IDU	19 in x 1.75 in x 20 in (483 mm x 44.5 mm x 508 mm)
Packaging	26 in x 23 in x 27 in (661 mm x 584 mm x 686 mm)
ODU Input	Ku-Band - WR-75 Ka-Band - WR-42 C-Band - WR-229 X-Band - WR-112
ODU Output	Type N Connector (50 Ohm)

HOW TO ORDER

RSLNBIS KU 11 R 3

IFL Length	3 = 30m 5 = 50m 10 = 100m
Tx / Rx Config	R = Rx only T = Tx / Rx
Redundancy	11 = 1:1 12 = 1:2
Band	KU = Ku-band KA = Ka-band C = C-Band X = X-Band
Component	LNBIS = LNB, Internal Ref, Single Band LNBXS = LNB, External Ref, Single Band LNBIM = LNB, Internal Ref, Multi-Band LNA = LNA BDC = BDC, Internal Ref only for C-Band, Ku & Ka-Band External Ref only for X-Band **Note:** LNBIM not available for C-Band, X-Band

OPTIONAL CONFIGURATION ADD-ONS

RS-REF	Internal 10 MHz Reference with External Reference Monitoring, Auto Switching
RS-MT	Boom Mount
RS-INT	Integration Services

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