



# MICROWAVE COMPONENT

## 1:1 LNB REDUNDANT SWITCH SYSTEM

### APPLICATIONS

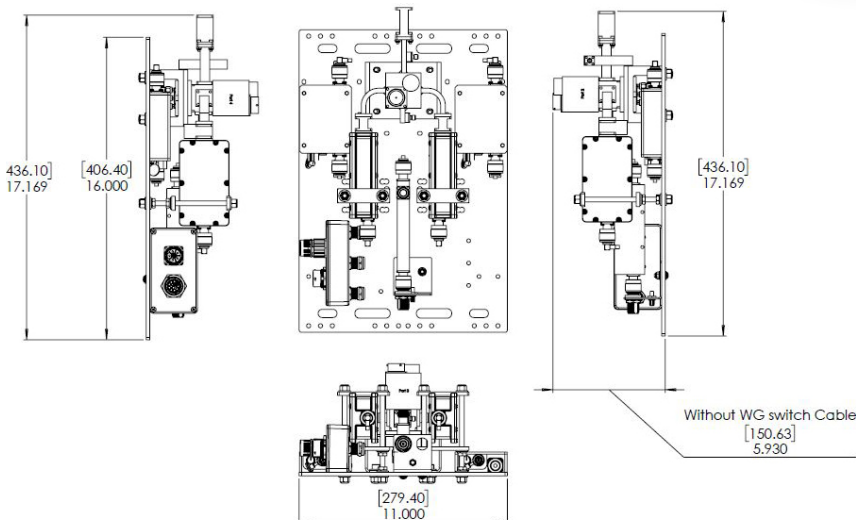
Norsat's Redundant LNB Switch Systems automatically detect signal faults and switch to an alternate LNB or LNA - providing maximum satellite service availability. Receive-side signal continuity is maintained via continuous power detection, and upon detecting a fault, signal is automatically switched to the reserve LNB.

Available for either 1:1 or 1:2 redundancy applications, and in either IDU or headless configurations, Norsat LNB/LNA 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.

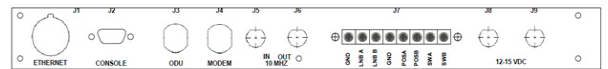
### FEATURE HIGHLIGHTS

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

### MECHANICAL DIAGRAM



Front Panel



Back Panel



# TYPICAL SPECIFICATIONS

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<b>Receive Chain Redundancy</b>	LNB: X, C, Ku, or Ka Band LNA: X, C, Ku, or Ka Band BDC: X, C, Ku, or Ka Band Internal or External reference Fault indications
<b>Redundancy Configurations</b>	Receive chain 1:1 Receive chain 1:2 Receive chain Dual 1:1 Receive chain 1 of 2 BDCs Receive chain 1 of 3 BDCs Receive chain 1 or 2 of 4 BDCs Transmit chain 1:1 Transmit chain 1:2 Transmit chain Dual 1:1
<b>Environmental</b>	
<b>IDU Operating Temperature:</b>	0 to +55 degrees Celsius
<b>ODU Operating Temperature:</b>	Per LNB/LNA specifications
<b>Relative Humidity:</b>	Up to 95% non-condensing
<b>Mechanical</b>	
<b>IDU</b>	
<b>Dimensions:</b>	19" x 1.75" x 20" max
<b>Connectors (rear panel)</b>	
<b>RF:</b>	SMA, N or F female
<b>L-band:</b>	SMA, N or F female
<b>10MHz:</b>	BNC
<b>DC Input:</b>	BNC
<b>ODU</b>	
<b>Overall Dimensions:</b>	17" x 11" x 6" typical
<b>Connectors:</b>	N type for RF Barrier Strip for DC signalling
<b>Options:</b>	ODU connections to customer spec
<b>IFL Length:</b>	30m standard Optional length available