

# Swift Series DC-18GHz 1+1 Redundancy Switch Module with standby

The swift switch 1+1 redundancy module is for use in the 2U Genus chassis. In 1+1 redundancy configuration, the chassis has capacity for up to two hot-swap frequency converter modules and 1 redundancy switch module.

## Chassis

### Resilience

from dual redundant hot-swap power supplies & field replaceable CPU & HMI

### Flexible module configurations

choose from a mixture of switch modules with different operating frequencies.

### Remote control & monitoring

via RJ45 Ethernet port with SNMP & web browser interface

Local control & monitoring via HMI high resolution touchscreen

Secure protocols with SNMPv3 and HTTPS

Compact indoor and outdoor chassis options, which can be part populated

Field replaceable internal reference source

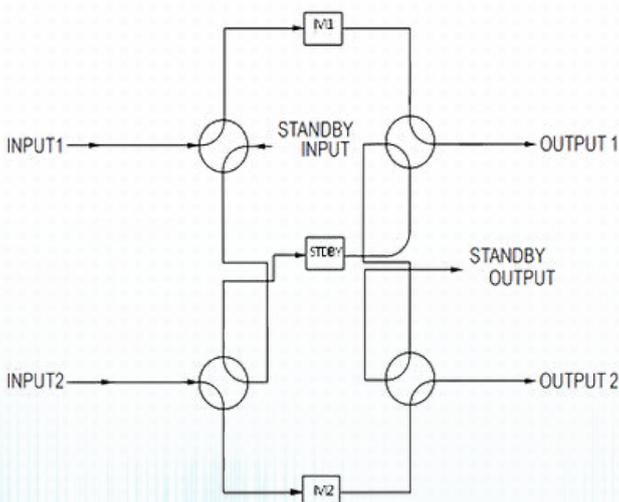


### Swift Redundancy Switch Module

Compact form factor allowing multiple modules to be housed in 2U chassis. Each module uses 6 slots in the chassis.

RF Parameters	
Model Numbers	SWF-G2S-KX-131
Frequency Range	DC to 18 GHz
Capacity	2 Channel—Input/Output
Size	6 slots wide.
Redundancy	1+1
Insertion Loss	≤ 6 GHz: ≤ 0.8 dB ≤ 10 GHz: ≤ 1.0 dB ≤ 14 GHz: ≤ 1.1 dB ≤ 18 GHz: ≤ 1.3 dB
Insertion Loss Variation (Max) (Between input paths or output paths)	± 0.50 dB
Gain Flatness (Input/Output Path)	± 1.0 dB
Return Loss (Input/Output Path)	≤ 2.5 GHz: -16 dB ≥ 2.5 GHz; ≤ 10.7GHz: -14 dB ≤18 GHz: - 12 dB
Isolation (path to path)	55 dB min
Input Power Range	≤ +35 dBm
Spurs In-band	Non-carrier related: <- 85 dBm. In 1 kHz Bandwidth
Environmental	
Temperature	Storage: -20°C to +75°C    Operating: 0 to 45°C
Location	Indoor use only
Humidity	20 to 95% non-condensing
Altitude	10,000 feet AMSL

## 1+1 Redundancy Configuration



Specs are for standalone modules. There may be slight variation when used for frequency converter redundancy configurations.

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.  
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.