

Swift Series 2+1 Redundancy Switch Module

500MHz to 3500MHz for Genus Redundant Backplane

Solid state switch module designed to work as part of 2:1 redundancy system via backplane DIN interconnects. This module can only be used with the GNR redundant backplane parent chassis.

Chassis Options

Local control & monitoring

via HMI high resolution touchscreen

Resilience

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

Compact indoor & outdoor

chassis options, which can be part populated

Secure protocols

with SNMPv3 and HTTPS

Flexible Module Configurations

choose from a mixture of up and down converters with different operating frequencies.

Remote control & monitoring

via RJ45 Ethernet port with SNMP & web browser interface

Field replaceable Internal reference source

and external reference inject port with auto detection



Indoor Chassis



Outdoor Unit



RF Parameters	
Model Numbers	SWF-G1R-S5-105
Capacity	2+1: 2 active channels and 1 backup module (10 slots in parent GNS 1U chassis)
Frequency	850 to 3500MHz
Input & output ports (DC blocked)	50Ω: SMA or BNC 75Ω: BNC or F-type
Insertion Loss	0 dB ±0.5 dB
Flatness	Full band: ±0.5 dB Any 36MHz: ±0.2 dB
Return Loss	Typ. 17 dB Min. 14 dB
Isolation	55 dB (Min. between any two paths)
Input RF Power	+16dBm
Module DC Power	12VDC
Control & monitoring	Local and remote via parent chassis. See chassis specification for specific details.
Environmental	
Temperature	Operating: temperature: 0 to 45° Storage: temperature: -20°C to +75°
Location	Indoor use only
Humidity	20 to 90% non-condensing
Altitude	10,000ft AMSL
Physical Dimensions & Parameters	
Weight	0.18 Kg
Dimensions	256mm x 42mm x 22mm maximum
Module Finish	Machined Aluminium

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.