

## STC 83204SW

### 1:4 L-Band Up/Down Converter Redundancy Switch



STC 83204SW redundancy 1:N switch is a robust, user friendly and economical solution for critical applications, where minimum downtime is required. It is designed to be used as a part of Sotca's frequency converters redundant system and it is fully compatible with all STC 83xxxx converters models.

When operated in "Auto" mode, the unit monitors alarm signals of all on-line converters. If fault is detected, the switch will automatically fall over to the hot stand-by unit. Using manual mode, any unit can be maintained, trouble-shooted and replaced on the fly, without affecting the link. STC 83201SW's high isolation level, low return loss assure high performance of the system and ultra low level of cross-interference. Unit comes in a standard 1U(1.75") 19" Rack-mounted enclosure.

#### Applications

- Satellite ground stations
- Satellite multi-service systems
- VSAT Hubs

#### Key Features

- User-friendly interface, featuring manual (test) and auto mode
- Hot redundancy to reduce downtime and increase reliability of the entire system
- Fast switching
- Flat frequency response
- On the fly failed unit replacement
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#### Options

- Remote monitoring and control

**Table 1. Technical Specifications**

<b>RF Characteristics</b>		<b>Mechanical</b>	
RF connectors	SMA/F (N-type)	Width	19" standard rack mount
Nominal Impedance	50 ohm	Height	1U (1.75")
Frequency Range	DC to 4 GHz	Depth	13", plus connectors
VSWR	1.15:1	Weight	1.5 kg
Insertion Loss	0.15 dB @ 2GHz	<b>Power Requirements</b>	
Isolation	80 dB	Voltage	95/230 VAC (auto-ranging)
		Frequency	47 to 63 Hz
		Power consumption	10W
		<b>Operating Temperature</b>	0 to +50 °C

\*+25°C

Typical Specification. Subject to change without notice.