

## Redundance Switchover Unit



M O D E L  
RSWOUDW2-DTA1

### DESCRIPTION

DTA offers a Redundance Switchover Unit for frequency converters designed to provide the highest quality and performance for SATCOM ground station systems.

The Redundance Switch for S-Band -70 MHz Up/Down Converters has been designed to command two Upconverter or Downconverter units to an Redundance System for Up/Down links for SATCOM, increasing the reliability of satellite links. This is achieved by monitoring the alarms status of the online converter and switching to the standby unit in the event of alarm. Different operations modes allow complete control of the system.

The unit include:

Input S-Band Diversity Switch

Output S-Band Diversity Switch

Controller: with the Ethernet and RS-232 interfase for Remote control, display and keyboard for local control, and two ports of Status and Control.

### FEATURES

Redundant Protection for Two RF Channels in a 1:1 Configuration

Fault Status Indicator for On-Line, Standby and Fault Operation.

Four Converter Operating Modes (On-Line, Off-Line, Standby and Not Used).

Individual Priority Levels for Each Converter

Complete Control and Monitoring Capability Trought Remote Bus (Ethernet and RS232 Optional).

Control and Status Monitoring of the Standby Converter Trought the Remote Bus.

Front Panel Digital Display for Status.

Microprocessor-based control logic that allows firmware upgrades in the field via the Ethernet or serial interface

All specifications are subject to change without notice.

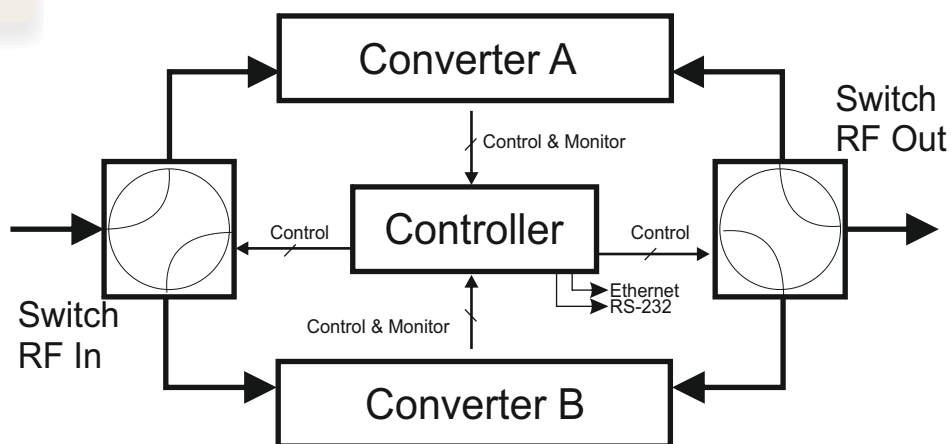


## ELECTRICAL SPECIFICATIONS

Frequency:	50 to 2400 Mhz
Insertion Loss :	< 1.3 dB
Isolation :	> 30 dB
<b>GENERAL SPECIFICATIONS:</b>	
Primary Power:	100-240 Vac; 50-60 Hz; 33W typical
RF Connectors :	SMA Female
Remote RS-232 :	DB-9 Male
Status & Control :	DB-9 Female
Remote Ethernet :	RJ 45
<b>PHYSICAL:</b>	
Weight:	2 Kg.
chasis :	19" x 6.1" x 1.73"
<b>ENVIROMENTAL:</b>	
Operating ambient Temperature:	0 °C to 40 °C

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## BLOCK DIAGRAM



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