

Redundance Switchover



M O D E L
R S W O H P A - D T A 1

DESCRIPTION

DTA S.A. offers the Redundance Switchover Unit model for SSPA designed to provide the highest quality and performance for SATCOM ground station systems,

The Redundance Switchover Unit is designed to command two SSPA Unit connected to a Redundance Circuit for satellite Up.links.

The Unit have:

Input S-Band Switch

Output power S-Band Switch (can be also use in a Hot Stand By configuration through an external load,).

Controller, that include: Ethernet & RS-232 interface for remote control, and display and keyboard for local control.

FEATURES

Control of two amplifiers and their corresponding transfer Switch

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

Converter Operating Modes : Local, Remote, Automatic, Manual

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

Control and Status Monitoring of the Standby Amplifier through 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:	2000-2200 MHz
Input Impedance:	50 Ohms
Output Impedance:	50 Ohms
Input Switch Insertion Loss:	< 1.5 dB
Output Switch Insertion Loss:	< 0.05 dB
Input Switch Isolation:	> 40 dB
Output Switch Isolation:	> 70 dB
RF Output Power Switch:	Coaxial, transfer to four ports
	Latch Motor Control Switch
	Commutation speed < 150 ms

GENERAL SPECIFICATIONS:

Primary Power:	100-240 Vac, 50-60 Hz, 33W
RF Input and Output Connector:	SMA Female
RS-232 Connector:	DB9 Male
Ethernet Connector:	RJ-45
Converter Status and Control Connector:	Db9 Female

PHYSICAL:

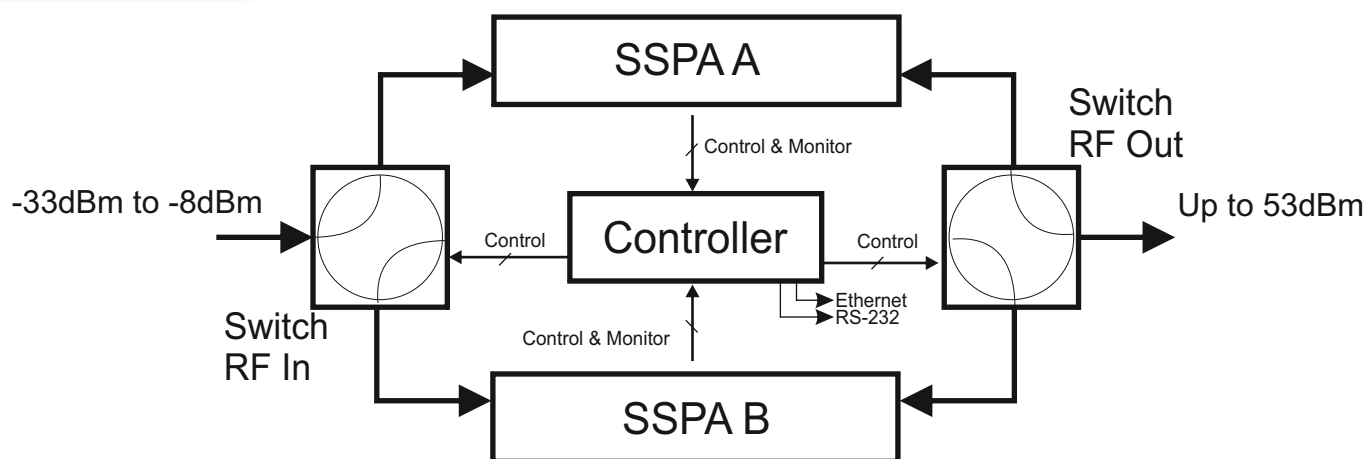
Chasis:	19" x 6.1" x 1.73"
---------	--------------------

ENVIROMENTAL:

Operating Ambient Temperature:	0 °C a 40 °C
--------------------------------	--------------

All specifications are subject to change without notice.

BLOCK DIAGRAM



HEADQUARTERS

Monseñor P. Cabrera 5020 - Córdoba, X5008HJP Argentina
Tel.: (54) 351 4770044 / Fax (54) 351 4764576
sales@dta-sa.com

USA Office

GM Systems LLC
27 Kim Place, Kings Park, N.Y. 11754-5025
Tel.: 631-269-3820
terlizzi@gmsystems.com

ISRAEL Office

Ultram Technologies Ltd.
58 Hameyasdim Street, Moshav Mazor, 73160
Tel.: (972) 03 9331696
sales@ultramtech.co.il

for more information visit:
<http://www.dta-sa.com/>

