

ACRS-ODU-11-V3

Tx/Rx Redundancy controller 1:1 Zeus Series outdoor

The ACRS-ODU-11-V3 controller is designed for the most challenging professional & military satellite communication systems. It provides continuous operation without disruption of transmission and reception path with 1:1 configuration.

Latest technology is applied to obtain the best noise figure, gain stability and return losses according to MIL-STD-188-164C. The ACRS-ODU-11-V3 is a high reliability solution designed for harsh environmental conditions, with every single production unit fully tested in an environmental chamber and delivered with a complete factory acceptance test report.

- ↘ AC supply operation
- ↘ External and internal reference capabilities
- ↘ Standard M&C with serial port (RS-232/485) with optional Ethernet and SNMPv2
- ↘ High linearity performance and spurs rejection
- ↘ Low power consumption



ZEUS

The king of the Gods. God of the sky and thunder watches over and governs the Universe, like our line of SSPBs, a reference in the world market, with an excellent SWAP ratio for different frequency bands and output powers.

Transmitter

Input/Output frequency	950 to 2150 MHz & 10 MHz
Input L-band VSWR (50 Ω)	< 2.0:1
Max. input level without damage	+10 dBm
Insertion losses	< 4.5 dB
Gain flatness	±0.5 dB over whole BW
Switching time	850 ms

Power Supply

AC input voltage	85-265 V _{AC} (47-63 Hz)
Consumption	30 W
Peak current	4 A (switch commutation)

Receiver

Input/Output frequency	950 to 2150 MHz & 10 MHz
Input L-band VSWR (50 Ω)	< 2.0:1
Max. input level without damage	+10 dBm
Insertion losses	< 4.5 dB
Gain flatness	±0.5 dB over whole BW
Switching time	850 ms

Environmental

Storage temperature	-40 °C to +85 °C
Operating temperature	-20 °C to +60 °C
Relative humidity	up to 100%
Operating altitude	up to 3000 m

Mechanical

Size (LxWxH)	184 x 162 x 87 mm 7.3 x 6.4 x 3.4 in
Weight	3.5 kg 7.7 lbs
Finish	NATO green

Interfaces

All mating connectors provided

TX input (L-band + Ext. Ref.)	Type N(F) 50 Ω
TX outputs (L-band + Ext. Ref.)	Type N(F) 50 Ω
RX inputs (L-band + Ext. Ref. + DC)	Type N(F) 50 Ω
RX output (L-band + Ext. Ref. + DC)	Type N(F) 50 Ω
SSPBs M&C	62IN12E12-14S-4-622
Switch M&C	62IN12E14-19P-4-622
LNBS M&C	62IN12E8-4S-4-622
M&C (RS-232/485)	62IN12E12-14S-4-622
M&C (Ethernet/SNMPv2)	62IN12E12-8S-4-622
Power supply	62IN12E12-3P-4-622
Auto/manual operation	Push button

Options

Option R	Internal reference (Auto external on presence)
Option T	Operating temperature -40 °C to +60 °C
Option E	Ethernet interface (TCP/IP)
Option S	SNMPv2 agent

Any other frequency band or custom specification available under request. Please, contact factory. Specifications are subject to change without notice.

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