

## 1/3 RACK-MOUNTED 1:1



### FEATURES

- Automatic/manual control from both local and remote control
- Front-panel display
- RS-485/RS-422 and Ethernet remote control (Telnet, SNMP and embedded web server)
- Firmware updates through Ethernet port
- Off-line or standby output
- Switch position indicators
- Time and date-stamped activity log
- 2.92 mm connectors above 18.4 GHz
- CE certification

The 1:1 Redundant Switchover Unit (RSU) is used with two units, one online (Unit A) and the second in a standby mode (Unit B). A fault condition in the online Unit A, or an operator generated command, will switch the standby Unit B to the online position and remove Unit A from the transmission path. DC power is diode summed from each converter.

### 1:1 SWITCHOVER UNIT SINGLE TRANSFER SWITCH MODEL

FREQUENCY RANGE (GHz)	CONNECTORS	MODEL
0.95 to 18.4	SMA	RSU-S-TR
18.4 to 31	2.92 mm	RSU-K-TR

### 1:1 SWITCHOVER UNIT DUAL TRANSFER SWITCH MODEL

FREQUENCY RANGE (GHz)	CONNECTORS	MODEL
0.95 to 18.4	SMA	RSU-S/S-TR
0.95 to 18.4/18.4 to 31	SMA/2.92 mm	RSU-S/K-TR
18.4 to 31	2.92 mm	RSU-K/K-TR

U.S. Patent #7,510,090



# REDUNDANT SWITCHOVER SYSTEMS

## RF SPECIFICATIONS

FREQUENCY (GHz)	INSERTION LOSS (MAXIMUM, dB)	AMPLITUDE FLATNESS (MAXIMUM, dB)	RETURN LOSS (MINIMUM, dB)	ISOLATION (MINIMUM, dB)
0.95 to 3	0.2	0.2	20	80
3 to 8	0.3	0.3	17	70
8 to 12.4	0.4	0.3	15	60
12.4 to 18.4	0.5	0.5	13	60
18.4 to 26.5	0.7	0.5	11	55
26.5 to 31	0.9	0.5	10	55

Note: RF specifications apply to a single switch.

## GENERAL SPECIFICATIONS

### PRIMARY POWER REQUIREMENTS

Voltage.....DC power from Narda-MITEQ third rack BUC and BDC

### PHYSICAL

Weight .....4.5 lb. [2 kg] nominal

Dimensions .....5.70" [144.8 mm] x 1.48" [37.6 mm] x 18" [457.2 mm] (excluding connectors)

### Connectors

RF .....Refer to model number table on page one

Redundancy interface .....DE-15S (mating cable supplied)

Status interface .....DE-9S for RS-422/RS-485

Ethernet interface.....RJ-45 female

### ENVIRONMENTAL

#### Operating

Temperature .....0 °C to 50 °C

Relative humidity.....Up to 95% at 30 °C

Atmospheric pressure .....Up to 10,000 feet

#### Nonoperating

Temperature .....-50 °C to +70 °C

Relative humidity.....Up to 95% at 45 °C

Atmospheric pressure .....Up to 40,000 feet

Shock and vibration .....Normal handling by commercial carriers

### ACCESSORIES

#### Third rack-mount frame

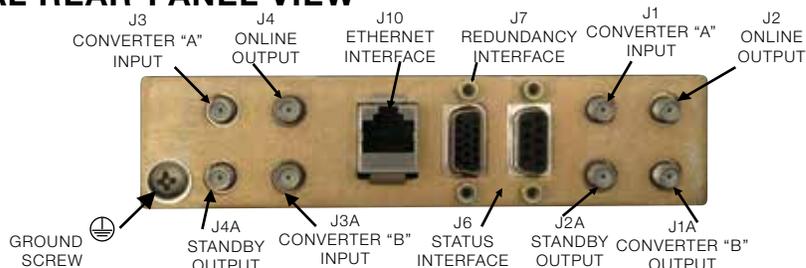
Model number .....OL-TR3-20

Weight .....1.5 lb. [0.68 kg] nominal

Dimensions.....19" [482.6 mm] x 1.75" [44.5 mm] x 20" [508.0 mm]

Note: For literature describing local control (front panel) and remote control (bus control), refer to Narda-MITEQ Technical Note 25T067.

## TYPICAL REAR-PANEL VIEW



The material presented in this datasheet was current at the time of publication. Narda-MITEQ's continuing product improvement program makes it necessary to reserve the right to change our mechanical and electrical specifications without notice. If either of these parameters is critical, please contact the factory to verify that the information is current.

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