



# 1/3 RACK-MOUNTED 1:1 REDUNDANT SWITCHOVER UNIT



## 1:1 SWITCHOVER UNIT SINGLE TRANSFER SWITCH MODEL

Model	Frequency Range (GHz)	Connectors
RSU-S-TR	0.95–18.4	SMA
RSU-K-TR	18.4–31	2.92 mm

## 1:1 SWITCHOVER UNIT DUAL TRANSFER SWITCH MODEL

Model	Frequency Range (GHz)	Connectors
RSU-S/S-TR	0.95–18.4	SMA
RSU-S/K-TR	0.95–18.4/18.4–31	SMA/2.92 mm
RSU-K/K-TR	18.4–31	2.92 mm

## RF SPECIFICATIONS

Frequency (GHz)	Insertion Loss (Max., dB)	Amplitude Flatness (Max., dB)	Return Loss (Min., dB)	Isolation (Min., dB)
0.95–3	0.2	0.2	20	80
3–8	0.3	0.3	17	70
8–12.4	0.4	0.3	15	60
12.4–18.4	0.5	0.5	13	60
18.4–26.5	0.7	0.5	11	55
26.5–31	0.9	0.5	10	55

Note: RF specifications apply to a single switch.

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

## FEATURES

- Automatic/manual control from both local and remote control
- Front panel display
- RS485/RS422 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 Mark

Patent Pending



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## PRIMARY POWER REQUIREMENTS

Voltage ..... DC power from MITEQ 1/3 rack BUC and BDC

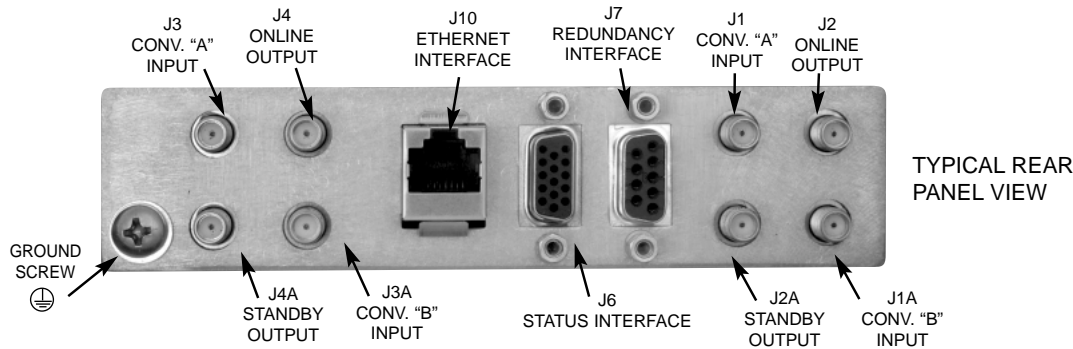
## PHYSICAL

Weight ..... 4.5 lbs. (2 kg) nominal  
 Dimensions (excluding connectors) ..... 5.70" [144.8mm] x 1.48" [37.6mm] x 18" [457.2mm]

### Connectors

RF ..... Refer to model number table  
 Redundancy interface ..... DE-15S (mating cable supplied)  
 Status interface ..... DE-9S for RS422/485,  
 Ethernet interface ..... RJ-45 female

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



## ENVIRONMENTAL

### Operating

Temperature ..... 0 to 50°C  
 Relative humidity ..... Up to 95% at 30°C  
 Atmospheric pressure ..... Up to 10,000 feet

### Nonoperating

Temperature ..... -50 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

### Rack mount frame

Model number ..... OL-TR3-20  
 Weight ..... 1.5 lbs. [0.68 kg] nominal  
 Dimensions ..... 19" [482.6mm] x 1.75" [44.5mm] x 20" [508.0mm]



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