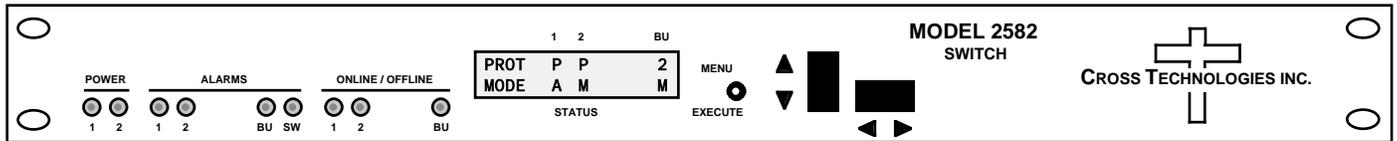


2582-126 Backup Switch, 1 for 2

The 2582-126 1 for 2 Switch provides Auto, Remote, or Manual backup protection for up to 2 block converters by using RF transfer switches (to 15 GHz) for signals from a backup unit to any of the 2 online units. The 2582-126 provides transfer switches for both the IF & RF paths and works with standard Cross block up and downconverters by polling their monitor and control ports on a periodic basis. A defective unit's inputs and outputs are switched from the failed unit to the backup unit either automatically (when an alarm is detected from the failed unit), remotely or manually. Manual switching overrides Remote and Auto switching, while Remote switching overrides Auto switching. Manual selection is made by the front panel multi-function, push-button switches. Remote selection is made via a rear panel female DB9 connector. The 2582-126 is powered by redundant 100-240 ($\pm 10\%$) VAC power supplies and is housed in a 1 3/4" X 19" X 16" 1RU rack mount chassis.



Front Panel

EQUIPMENT SPECIFICATIONS*

IF (L-band) / RF Switch Characteristics

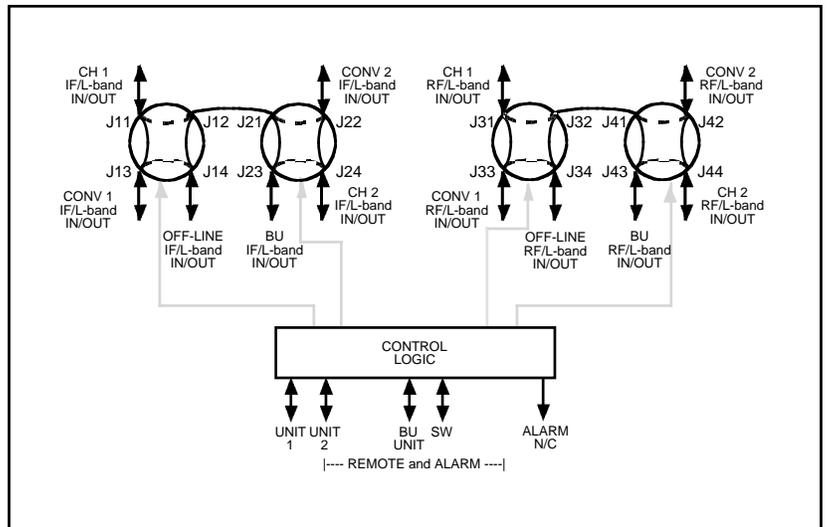
| | |
|----------------|--|
| Impedance | 50 Ω |
| Return Loss | > 12 dB |
| Type | RF Transfer |
| Isolation | > 60 dB, to 15 GHz |
| Switch time | ≤ 100 milliseconds |
| Insertion Loss | ≤ 1.5 dB, to 8 GHz; ≤ 2.0 dB, to 15 GHz |
| Configuration | 1 for 2, no termination |

Controls, Indicators

| | |
|------------------|--|
| Manual Selection | Push-button switches |
| Remote Selection | RS 232C, 9600 baud (RS 422/485, Option Q) |
| Power | Green LEDs |
| Alarms | Red LEDs |
| Online/Offline | Green LEDs |

Other

| | |
|---------------------|--|
| RF Connectors | SMA (female) |
| Alarm/Remote Conn's | DB9 (female) |
| Size | 19 inch, 1RU standard chassis 1.75" high X 16.0" deep |
| Power | 100-240 ($\pm 10\%$) VAC, 47-63 Hz, 45 watts max; Redundant power supplies |



Block Diagram

*+10°C to +40°C; Specifications subject to change without notice