

## SW21IF – 2x1 IF Band Switch

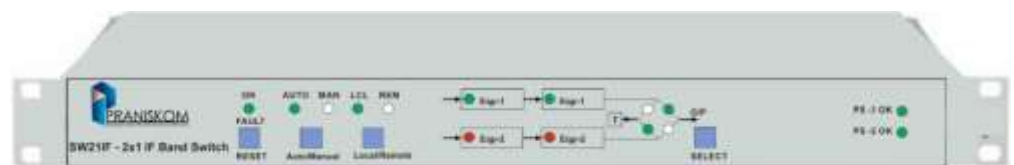
- Praniskom SW21 Series of RF Switches are designed with excellent RF performance.
- SW21 Series is available in following configurations:
  - a. SW21IF – for 70MHz / 140 Mhz
  - b. SW21L – for L Band frequencies – 950MHz to 2150MHz.
  - c. SW21C – for C Band frequencies – DC to 6 GHz
  - d. SW21Ku – for Ku Band frequencies – DC to 18 GHz
- SW21 Series Switches have excellent advantage of space saving 1 RU rack mount design.
- Front panel of Unit is equipped with MIMIC diagram showing signal flow by illumination of LEDs.
- Controllable via front panel push button switch or remotely via RS232 interface/RJ45 web interface.
- Dual Redundant power supplies.
- Dual color illuminated LEDs for individual health monitoring up to four equipments
- Custom labelling for varieties of equipments like encoder, modulator, upconverter, downconverters, decoder, HPAs., etc and programmable control logic.

### SALIENT FEATURES

- Excellent RF performance
- Broadband frequency range of 50 MHz to 3000 MHz
- 2:1 Switch
- Dual Power Supplies
- Local / Remote control
- Automatic / Manual switching
- High Isolation
- >13 dB Return loss
- Visual Alarm in case of failure in connected unit.
- Audio alarm optionally available.

For more information on any of our products or services please visit us on the Web at:

[www.praniskom.com](http://www.praniskom.com)



FRONT PANEL



REAR PANEL

## Technical Specifications

Frequency	: 20 to 3000 MHz
Range	
Inputs	: 2 Nos (BNC 75 Ohms / SMA 50 Ohms)
Outputs:	: 1 No (BNC 75 Ohms / SMA 50 Ohms)
Switching Mode	: Automatic / Manual Switching based on fault NC inputs from Modulators and Encoder / Other equipment
Termination	: Internal termination with 50/75 Ohms for unused input.
Return Loss	: >13 dB @200MHz
Insertion Loss	: 2-3 dB max.
Isolation	: <ul style="list-style-type: none"> <li>• 46dB Minimum (Between Two inputs)</li> <li>• 54dB minimum (between input and output)</li> </ul>
Status Indication	: LED indication of health status of equipment
Remote Control	: SNMP (RJ45)
Switches	: Push button switches for Manual selection of switches
Power supply	: 230 V +/- 20% (Dual Power Supply)
Operating Temperature	: 0 to 50 Deg C.
Operating Humidity	: 90% non-condensing