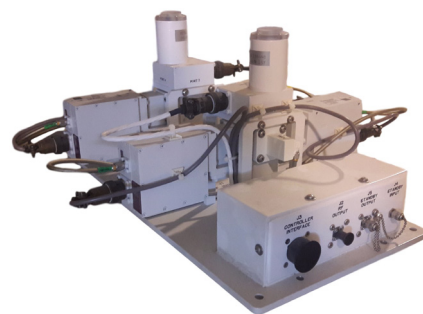


2+1 Redundant Ku-band LNB Plate RDC-LNB-U21-PLT6059-B

The TEMIX Ku-Band 2+1 Redundant LNB Plate series permits to manage the redundancy through LNB alarm status generated when bias current goes outside range so providing a reliable management of the automatic switching in case of failure.



The automatic switchover unit controls the Main/Stand-by equipment operation. Based on the logic, it establishes which of the three LNB has to be switched to the antenna, thus assuring reception continuity. The Switch Over Unit monitors the status alarm contacts on the on-line device and switches to the standby unit in the event of an alarm.

RF Frequency Range	10.70 -12.75 GHz
Noise Temperature	0.8 dB (59K LNB) typ 90K including switching network
Gain	60dB typ (55dB min)
Gain Flatness	±0.4 dB max. within 30 MHz ±3 dB max. over band
Phase Noise	-35 dBc @ 10 Hz -62 dBc @ 100 Hz -75 dBc @ 1 kHz -83 dBc @ 10 kHz -93 dBc @ 100 kHz -120 dBc @ >1MHz typ
In/Out VSWR	2.3:1 / 2.1:1 typ
Image Rejection	40 dB min.
Output P1dB	+15 dBm
Third Order Intercept Point	+25 dBm
LO Leakage	-60 dBm @ waveguide input
Internal Ref. Stability	±5 kHz -20 to +70°C (±10 kHz -40 to +80°C) ±10 kHz -20 to +70°C (±15 kHz -40 to +80°C)
DC Power	+12 to +26 Vdc
Interfaces	Input: WR 75 W/G with flange CPR-G; Output: N-Type (Female) DC Input: Separate connector
Operating temperature	-30°C to +70°C (Outdoor LNB Plate)
Controller	Indoor Rack Mount 19" x 1RU
Method	Monitoring of the LNB bias current
Switching time	< 100ms
Primary Power	90–250 VAC, 47–63 Hz, 50W Redundant Power Supply
Operating temperature	0°C to +50°C (Indoor Controller)
Interface	Serial - EIA485, Serial - EIA232, 10/100 base-T Ethernet
LNA Status Alarm	front panel LED indicators (Red: LNB fault, Green: status OK)



Main Features

- **Alarm Method:**
Bias Current
- **Operation Mode:**
Automatic/Manual
Local/Remote
Unit on-line A/B
- **Signaling:**
Real Time Faults
Switch Status
- **Option: Controller Front Panel with LNB/Switch visual status**

*The Information included in this data sheet may be changed without advise. rev_01/18

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