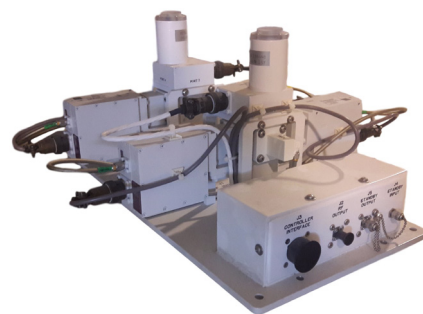


2+1 Redundant Ku-band LNA Plate RDC-LNA-U21-PLT6065-B

The TEMIX Ku-Band 2+1 Redundant LNA Plate series permits to manage the redundancy through LNA 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 LNA 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	65K LNA (typ 90K including switching network)
Gain	60dB typ
Gain Flatness	+/-1.5dB typ over full band
Group Delay	Linear: 0.01 ns/MHz; Parabolic: 0.001ns/MHz Sqr max Ripple: 0.1ns peak-peak max
In/Out VSWR	1.25:1 / 1.25:1 max
P1dB	+10dBm typ
Third Order Intercept Point	+20 dBm
DC Power	+12 to +18 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 LNA 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: LNA 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 LNA/Switch visual status**

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

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