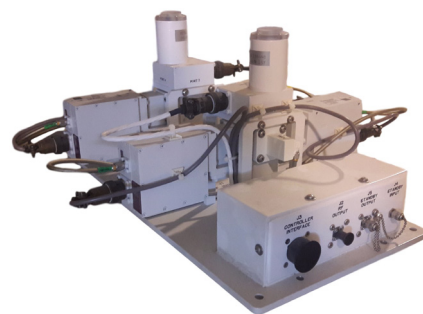


## 2+1 Redundant C-band LNA Plate RDC-LNA-C21-PLT6050-B

The TEMIX C-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	Band F1: 3.4 - 4.2 GHz; Band F2: 4.5 - 4.8 GHz
Noise Temperature	30K LNA (typ 50K including switching network)
Gain	60dB typ
Gain Flatness	+/-1.0dB typ over full band
Group Delay	Linear: 0.02 ns/MHz; Parabolic: 0.003ns/MHz Sqr max; Ripple: 0.3ns 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: CPR 229 W/G; Output: N-Type (Female); DC Input: Separate connector
Operating temperature	-30°C to +70°C (Outdoor LNA 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)
System Level Equipment	Outdoor Antenna Hub-Mount Plate Assembly (Q.ty 1) with n°2 dual waveguide-coaxial protection switches C-Band LNA (Q.ty 3) Indoor 2:1 Redundant Control Panel (Q.ty 1), Rack Mount Interface control cable (30m standard, Q.ty 1), Power Supply Cord EU (Q.ty 1) LNA Plate Test Report (Q.ty 1)



LNA Plate Indoor Controller

### 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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