

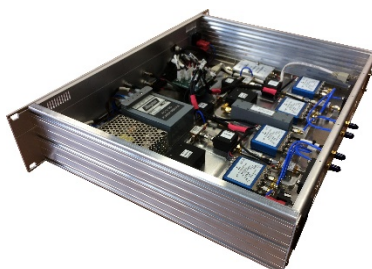


**Description:**

Equipment designed to convert new C-band Telemetry frequencies to traditional S-Band in one step. This device will extend end-of-life of existing S-Band receivers avoiding acquisition of expensive new ones. A link budget calculation of your station is included to guarantee that available G/T of the system is maintained after the installation of the unit in front of your receivers or RF Matrix. The unit, providing two independent channels with bypass between input and output for enabling or disabling the band conversion, has been designed to work together with dual band antenna systems. Local control by two buttons on the front panel, http server and telnet are standard. Tailored designs also available.

**Specification:**

- Block-Downconverter with dual channel and bypass.
- Input frequency range for both channels from 5090 to 5250 MHz (Customizable)
- Output frequency from 2240 to 2400 MHz.
- Compensated conversion loss.
- Filtering at outputs for notching the OL output at least below -70dBm.
- OL stability: 1PPM after 5 minutes warm-up.
- Phase noise better than: -63 dBc/Hz at 100Hz, -83 dBc/Hz at 1kHz, -93 dBc/Hz at 10kHz, -103 dBc/Hz at 100kHz, -103 dBc/Hz at 1MHz.
- Extremely high isolation between different stages.
- Bypass at both channels. The bypass can be commanded from a web server, URL command line or Telnet server.
- Front panel with Switch-on button, bypass activation, power supply alarm and OL Lock Alarm.
- 19 inch rackable chassis
- SMA connectors both at input and outputs
- Power supply input 100 VAC to 240 VAC with power inlet filter.



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