



Features and Benefits

- Supplies up to 0.65A at 18V on IFL to power LNB
- Supplies up to 6A at 24V on IFL to power BUC
- Provides low phase noise and high stability 10 MHz reference for LNB, BUC, or both
- Includes monitor port for Rx path
- Supports frequencies 950 MHz to 2000 MHz
- N-type (50 Ω) RF connections

GATR DC Injection Unit

Designed to interface any L-band modem with the GATR antenna, the GATR DC Injection Unit (DCIU) provides a low phase noise, high stability reference and DC power to a terminal LNB and BUC.

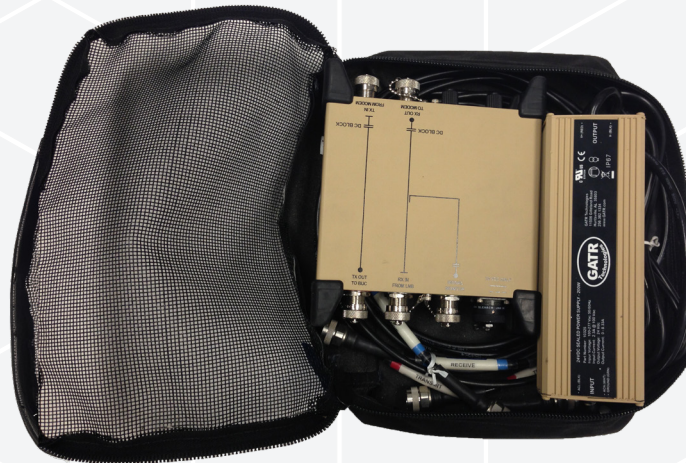
Engineered to operate in the harshest environments with an operating range of -40°C to +55°C, the GATR DCIU provides low phase noise and high stability 10 MHz reference for LNB, BUC, or both and supports frequencies 950 MHz to 2000 MHz

GATR DCIU

Specifications

Power	
Input Power	24V
BUC Power	24V at 6A maximum (pass through from 24V input)
LNB Power	18V at 0.65A maximum
IF Path Gain	
Tx Path	Minimum 10 dB with 31.5 adjustable attenuation in 0.5 dB steps
Rx Path	Minimum 20 dB with 31.5 adjustable attenuation in 0.5 dB steps
10 MHz Phase Noise	
10 Hz Offset	-130 dBc/Hz
100 Hz Offset	-145 dBc/Hz
1 kHz Offset	-160 dBc/Hz
100 kHz Offset	-169 dBc/Hz
Frequency Stability/ Aging	
Per Day	< 0.1 ppb
Per Year	< 10 ppb
Per 10 Years	< 50 ppb
Characteristics	
Operating Temperature Range	-40°C to 55°C
Rain	Tested
Shock	Tested
Humidity	Tested
Salt Fog	Tested

GATR CUPS Kit System Details



CHANGING THE SHAPE OF SATCOM

Cubic is revolutionizing the ultra-portable SATCOM industry with its inflatable communications terminal. Compared to other deployable rigid dishes of comparable size, GATR's unique shape and designs enable extreme portability, lower cost of ownership, reliability in extreme environments and ease of set up.

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