

# Navtech Systems Video Links

## RF Feed dc injector – Bias “T”



The Navtech Systems dc injector for powering an in-line Low Noise Amplifier, normally fitted close to the antenna, provides for ease of installation and application.

The dc input is provided from a standard 12 volts dc supply via a universal 2.1mm dc power connector. A dc outlet connector is provided for powering external radio receivers, decryption devices or other low current accessories enhancing the versatility of the device.

Standard RF N-Type connectors are used for the input and output RF feeds to the LNA and receiver respectively. Current limiting of the injected dc protects for cable or installation faults such that no damage results to the sensitive internal bias T network.

### Specification:

- RF input: 20 - 6000 MHz N Type
- input/output
- Insertion loss: < 1.5 dB typical
- Dc input: +5 to +15 volts dc 2.1 mm dc
- connector
- Dc output: as input Lemo 2 pin socket
- Current limit to cable: 0.3A (current limit protection)
- Dimensions: 160 X 112 X 32 mm
- Weight: < 250gms
- Temperature: -10° to + 60 °C
- Fixings: End brackets or Spring Clip



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