

General Dynamics LRC-1000 C Band Redundant LNA System



The General Dynamics LRC-1000 Series Redundant LNA systems minimize system downtime due to LNA failure by providing a spare LNA and an automatic means of switching to the spare upon failure of a primary LNA. A 1:1 system provides one spare LNA for one primary LNA. A 1:2 system provides a spare LNA for either of two primary LNAs. The systems consist of an outdoor plate assembly which mounts at the antenna hub, an indoor control panel and interconnecting control cable.

Plate Assembly Features

- C Band Redundant LNA System
- Available in 1:1 or 1:2 Systems
- LC-4000 Series C-band Low Noise Amplifiers (LNAs)
- High quality Dual waveguide/coaxial Switches
- Manual override
- Waveguide input flanges
- Output coaxial isolators standard

Redundancy Controller Features

- 10/100 Base T Ethernet network interface
- Dual, redundant power supplies
- Manual or automatic operation
- Parallel I/O M&C interface
- User-selectable RS-232/-422/-485 serial I/O M&C interface
- Automatically switches RF path to standby unit when unit failure occurs
- Front panel graphically depicts switch positions and unit status
- Audible alarm
- CE certified and RoHS compliant



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