DOUBLE D ELECTRONICS LTD

DDA261 Single Thread Transmit/Receive Splitter

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* 12-way splitter on LNB output
* 12-way combiner on transmit input
* 950-2150MHz operation
* System Diagram on front
* Unity gain RF paths
* Fault monitoring on internal amplifiers
* 2U 19" rack mount
* Summary alarm output
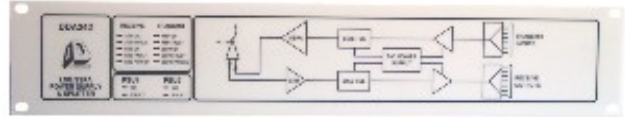
The DDA261 provides signal distribution facilities for single thread satellite transmit/receive subsystems in earth stations.

On the transmit side the unit accepts up to twelve signals which are combined into a single output.

On the receive side the DDA261 accepts the input from an LNB or other L-Band signal source, and splits it to twelve outputs.

All supply voltages and currents for the internal amplifiers are monitored using a microprocessor to filter and process the readings, and simplify setup. Parameters monitored include LNB voltage and current, internal amplifier voltage and current, and primary power supply voltages. These are then filtered and averaged before comparing against limits.

All nominal values for a channel are set up by a single press of a rear panel pushbutton. A range of tolerances may be set for the LNB current, using an internal DIP switch.

The RF path covers the full extended L-Band of 950-2150MHz, and uses SMA connectors throughout. Terminators are supplied for the receive outputs and the transmit inputs. Both transmit and receive paths have a nominal unity gain.

SPECIFICATION

Physical: 19" rack, 2U high, 260mm deep (excluding connectors).

Power: 90-250V a.c., 50VA max. (via IEC inlet)

Rx RF Gain: 0dB nominal, ±3dB

Rx RF level: Max -15dBm input

Tx RF Gain: 0dB nominal, ±3dB

Tx RF level: Max 0dBm input

RF connectors: SMA

Alarm Output: Volt-free relay contact signals alarm on any monitored voltage or
                         current out of tolerance.

Ordering Information

Part number **DDA261-01** for unit as above