

Digital Data Link 10W Linear Amplifier

The DDL Amplifier is a 10W 1.8 GHz linear amplifier, designed for Digital Data Link applications. The DDL Amplifier offers a compact, rugged design, featuring high speed automatic Tx/Rx switching.

Features

- Rx Band-pass filtering
- Automatic Tx/Rx switching
- External Tx-Rx triggering, if required
- Overvoltage protection on all ports
- Tx/Rx LEDs
- Light weight
- Compact & rugged design



Applications

- Increase the range of pDDL & IPnDDL transceivers

COTS - No Export Permit Required

Specifications

Frequency	1.8 GHz	
Tx Power Gain	10-11 dB Typical	
Tx O/P Power	<u>Modulation</u>	<u>Power</u>
	P1dB	>25W
	QAM 64	8W
	QAM 16	10W
	QPSK	13W
Rx Gain	5 dB \pm 1 dB	

Rx/Tx Switching	1 μ s Typical
Impedance	50 Ω
DC Supply Voltage	24-30 VDC
Connectors	Female SMA (RF in, RF out) Female Circular Bayonet 3pin (DC Power)
Weight	Approx. 275g
Dimensions	Approx. 3.3" x 3.0" x 0.95" (85mm x 75mm x 24mm) Approx. 4.1" x 3.4" x 0.95" (Inc. Connectors)

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