

Digital Data Link 10W Linear Amplifier

The DDL Amplifier is a 10W 2.4 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	2.4 GHz		Rx/Tx Switching	1 μ s Typical
Tx Power Gain	10-11 dB Typical		Impedance	50 Ω
Tx O/P Power	<u>Modulation</u>	<u>Power</u>	DC Supply Voltage	24-30 VDC
	P1dB	>25W	Connectors	Female SMA (RF in, RF out) Female Circular Bayonet 3pin (DC Power)
	QAM 64	8W	Weight	Approx. 275g
	QAM 16	10W	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)
Rx Gain	5 dB \pm 1 dB			

Contact Information

For more information please contact:



BOCK OPTRONICS INC.
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Digital Data Link 10W Linear Amplifier

The DDL Amplifier is a 10W 2.3 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

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Specifications

Frequency	2.3 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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DDL1850 Amplifier



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		Rx/Tx Switching	1 μ s Typical
Tx Power Gain	10-11 dB Typical		Impedance	50 Ω
Tx O/P Power	<u>Modulation</u>	<u>Power</u>	DC Supply Voltage	24-30 VDC
	P1dB	>25W	Connectors	Female SMA (RF in, RF out) Female Circular Bayonet 3pin (DC Power)
	QAM 64	8W	Weight	Approx. 275g
	QAM 16	10W	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)
Rx Gain	5 dB \pm 1 dB			

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DDL1350 Amplifier



Digital Data Link 10W Linear Amplifier

The DDL1350 Amplifier is a 10W 1350 MHz linear amplifier, designed for Digital Data Link applications. The DDL1350 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	1350 - 1390 MHz	
Tx Power Gain	12-13 dB Typical	
Tx O/P Power	<u>Modulation</u>	<u>Power</u>
	P1dB	>25W
	QAM 64	8W
	QAM 16	10W
	QPSK	13W
Rx Gain	8 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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DDL900 Amplifier



Digital Data Link 10W Linear Amplifier

The DDL900 Amplifier is a 10W 900 MHz linear amplifier, designed for Digital Data Link applications. The DDL900 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	900 MHz		Rx/Tx Switching	1 μ s Typical
Tx Power Gain	13-14 dB Typical		Impedance	50 Ω
Tx O/P Power	<u>Modulation</u>	<u>Power</u>	DC Supply Voltage	24-30 VDC
	P1dB	>25W	Connectors	Female SMA (RF in, RF out) Female Circular Bayonet 3pin (DC Power)
	QAM 64	8W	Weight	Approx. 275g
	QAM 16	10W	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)
Rx Gain	8 dB \pm 1 dB			

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DDL840 Amplifier



Digital Data Link 840 - 845 MHz 10W Linear (30W FM) Amplifier

The DDL840 Amplifier is a 10W Linear (30W FM) amplifier, designed for use in the 840-845 MHz frequency range. The DDL840 Amplifier offers a compact, rugged design, featuring high speed 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 Microhard 840 - 845 MHz transceivers

COTS - No Export Permit Required

Specifications

Frequency	840 - 845 MHz	
Tx Power Gain	14-15 dB Typical	
Tx O/P Power	<u>Modulation</u>	<u>Power</u>
	P1dB	>35W
	GMSK	30W
	QAM 64	8W
	QAM 16	10W
	QPSK	13W
Rx Gain	8 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 Quick Connect 3pin (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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