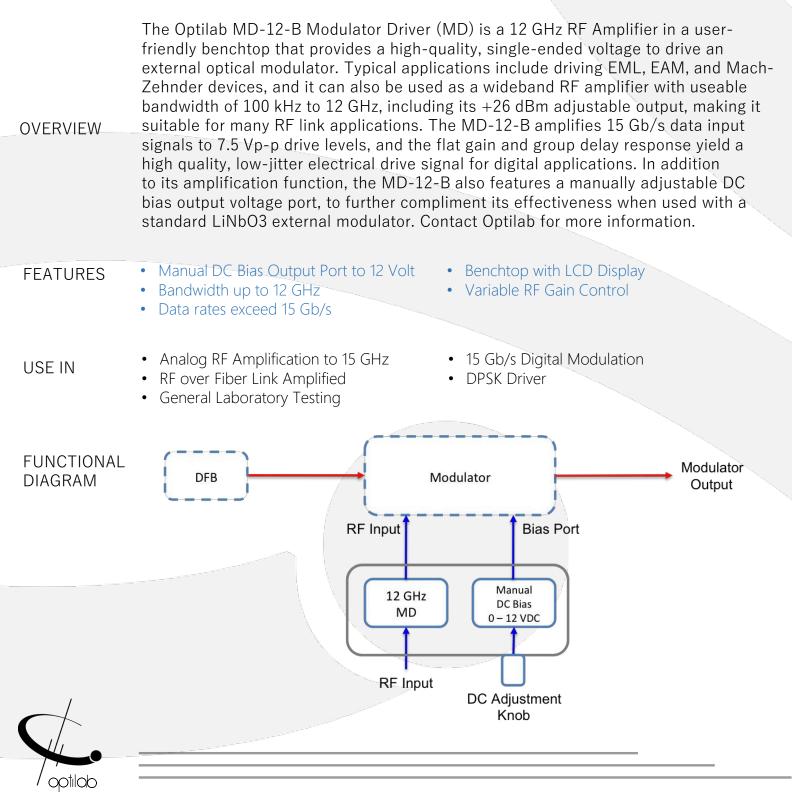


MD-12-B



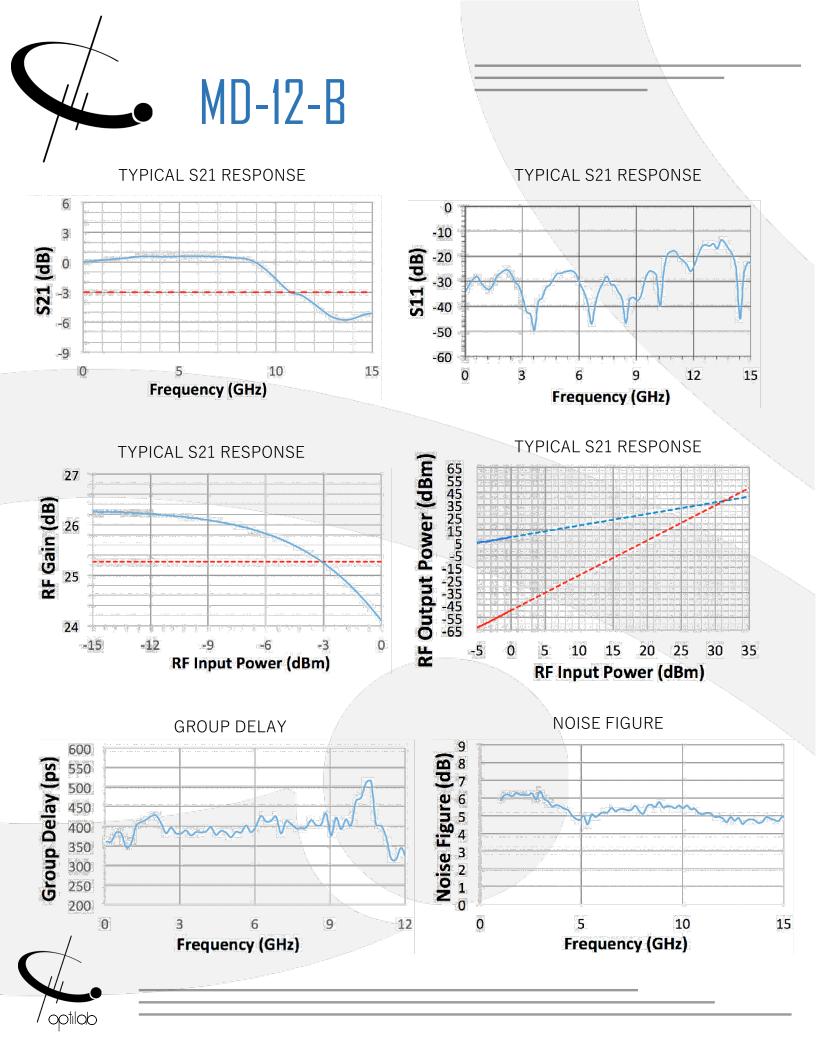
DEVICE 12 GHz Modulator Driver/RF Amplifier, Benchtop

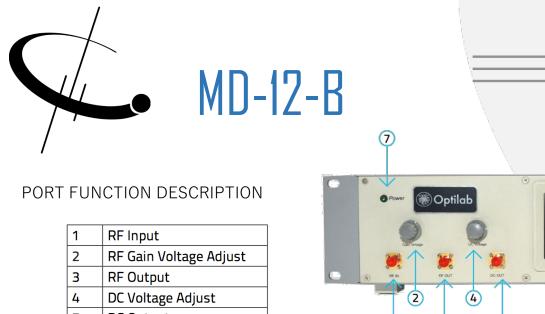




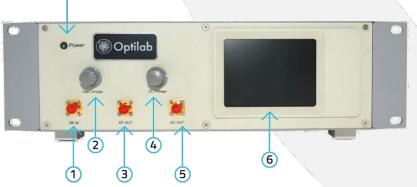
/ optilab

SPECIFICATIONS	3 dB S21 Bandwidth	12 GHz min.
GENERAL	S11 Characteristics	< - 10 dB at 10 GHz
	Saturated Output Power	> 26 dBm typ.
	RF Gain	16 dB to 26 dB, variable
	Gain Ripple	± 1.5 dB over 5 GHz
	Input, Output Impedance	50 Ω
	Input VSWR to -10 GHz	1.6 : 1 typ.
	Output VSWR	2.0 : 1 typ.
	Total Power Dissipation	7 W max.
	Gain Adjustment Range	10 dB typ.
DC CONTROL	Manual DC Control Adjustment	-12 V to +12 V
	Manual Bias Adjustment Range	-12 V to +12 V
DIGITAL APPLICATIONS	Data Rate	Up to 15 Gb/s
	Pulse Response	10%, rise time 35 ps typ.
	Output Amplitude	7.5 Vp-р typ.
	Input Range	500 W to 1.5 V
	Useful Frequency Range	75 kHz to 15 GHz
	P1 dB Output	> 23 dBm max.
ANALOG APPLICATIONS	Group Delay (2 to 10 GHz)	± 25
AFF LICATIONS	Noise Figure	11 dB
	Small Signal Gain	30 dB typ.
MECHANICAL		
	Operating Temperature Range	0°C to +70 °C
	Storage Temperature Range	-45°C to +100°C
	Operating Humidity	85%
	Power Supply Requirements	110/220 VAC, 50/60 Hz
	RF Input/Output Connector	K Connector Female
	Dimensions	280 mm x 90 mm x 320 mm





1	RF Input
2	RF Gain Voltage Adjust
3	RF Output
4	DC Voltage Adjust
5	DC Output
6	LCD Display
7	Power LED
8	RS232
9	Power switch





REMOTE LABVIEW INTERFACE

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Optilab offers remote interface via Labview software, for parameter adjustment and status monitoring, con- tact Optilab for more details.

