

OC-768 Modulator Driver Amplifier

Model FO-MDA-40-13
Model FO-MDA-40-10

3.5Vpp Output Driver
6Vpp Output Driver

Applications:

- ◆ Drive Optical Modulators
- ◆ 40Gbps Baseband Amplifier

Features:

- ◆ Output Voltage Control
- ◆ Electronic Crossing % Control
- ◆ Output Voltage Dither Capability
- ◆ Integrated Bias Tee for Output DC Bias Adjustment
- ◆ Small Form Factor
- ◆ Laser Sealed Hermetic Package

Data Rates:

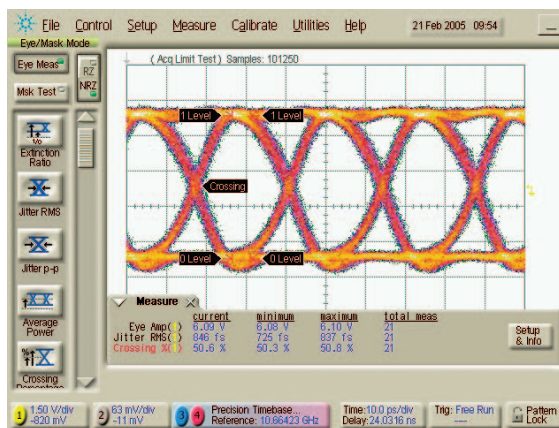
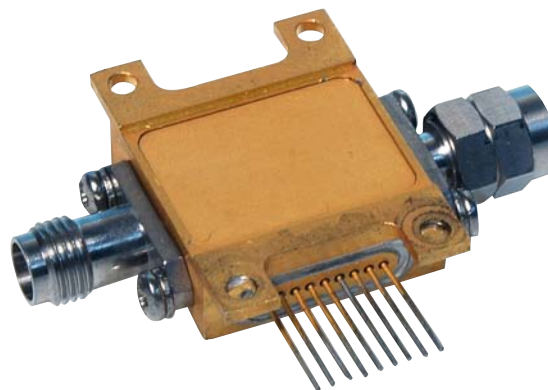
Data rates to 44Gbps

Input/Output Voltage:

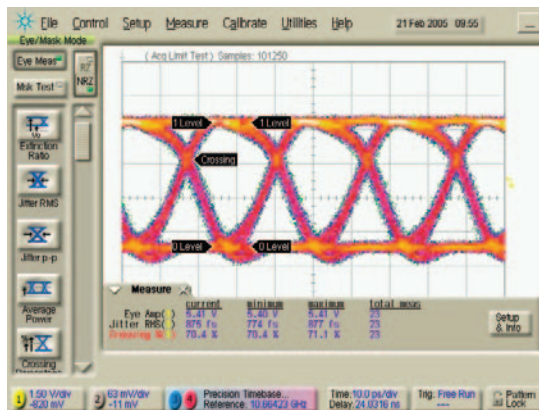
- ◆ 0.5Vpp Input Amplitude
- ◆ Output Amplitude
 - ◆ FO-MDA-40-10: 2.5Vpp to 4Vpp
 - ◆ FO-MDA-40-13: 4Vpp to 6Vpp

Connectors:

- ◆ V Connectors
- ◆ GPPO (Option)



50% Zero Crossing



70% Zero Crossing

Contact Narda for your custom requirements.

L-3 Communications has patent applications pending which protects this and related fiber optic products. These products may also be protected by other intellectual property rights including trademarks and copyrights.

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OC-768 Modulator Driver Amplifier

Model FO-MDA-40-13

3.5Vpp Output Driver

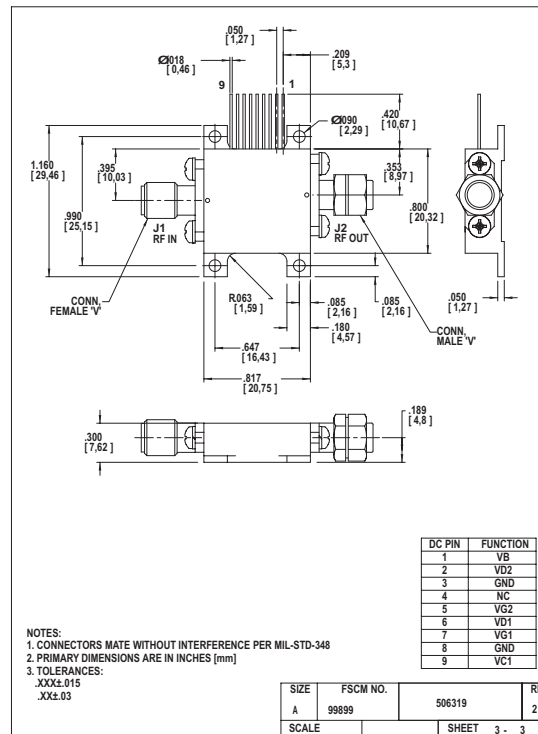
Model FO-MDA-40-10

6Vpp Output Driver

Preliminary Specifications

PARAMETER	UNITS	MINIMUM	TYPICAL	MAXIMUM
Data Rate	Gbps	39		43
Small Signal 3dB Low Freq BW	kHz			85
Input Voltage	Vpp		0.5	
Output Signal Amplitude (Max)				
-13 Model	Vpp	3.8	4	
-10 Model	Vpp	5.8	6	
Output Signal Amplitude (Min)				
-13 Model	Vpp		2.4	2.6
-10 Model	Vpp		4	4.2
Small Signal Gain @ 20 GHz				
-13 Model	dB		22	
-10 Model	dB		28	
Input Return Loss	dB		10	
Output Return Loss	dB		10	
RMS Additive Jitter	ps		10	
Additive Rise/Fall Time (20%-80%)	ps		10	
Crossing Point Control (Note 2)	%	40		70
DC Power				
-13 Model	W		0.9	
-10 Model	W		1.4	
Operating Temp Range	Deg C	0		75
Size		See outline drawing		
Connectors/Pins				
Data Input		V Female (GPPO Optional)		
Data Output		V Male (GPPO Optional)		
DC		Pins (See outline drawing)		
Hermetic		Yes		

Outline Drawing


narda

an L3 communications company

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