

OC-768 LN MODULATOR DRIVER AMPLIFIER*

Model FO-MDA-40-04

Applications: Lithium Niobate (LiNbO₃) Modulator for OC-768 providing high output 7.5 volt signal.

Features:

- ◆ Output Voltage Control
- ◆ Electronic Crossing % Control
- ◆ Temperature Compensated Output Level Detector Available
- ◆ Output Voltage Dither Capability

Data Rates:

Data Rates up to 44 Gb/s

Input/Output Voltage:

7.5 Vp-p Output Amplitude (Minimum)

0.5 Vp-p Input Amplitude

3V Output Amplitude Control Range

Connectors:

RF: V Connector (Optional GPP0)

DC: Solder Pin

DC Power:

+9V @ 480 mA

-9V @ 40 mA

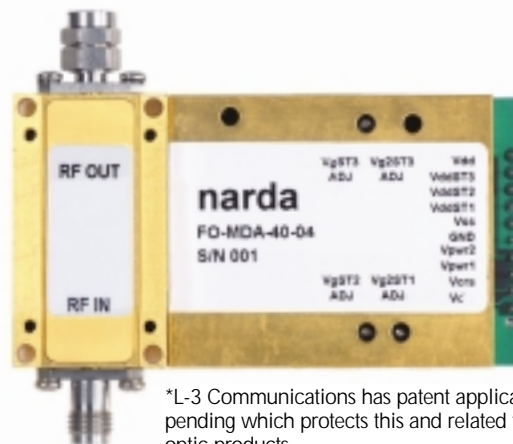
Internally Regulated

Automatic DC Bias Sequencing

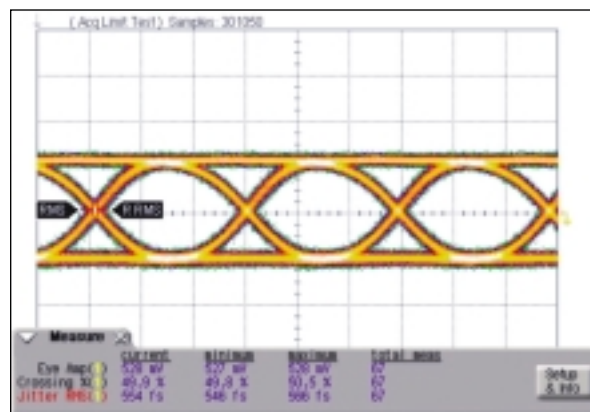
Options:

Units with alternative control and power regulation features are available.

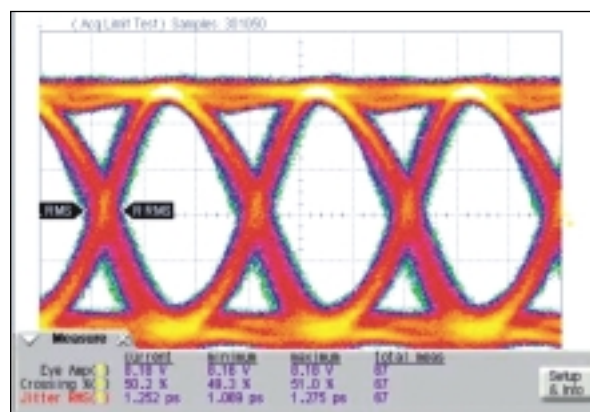
Please consult the factory for models with other capabilities/features.



*L-3 Communications has patent applications pending which protects this and related fiber optic products.



Input Signal, Input Eye Amplitude 0.4 Vp-p



Output Signal, Output Eye Amplitude 8.1 Vp-p

narda

an L-3 communications company

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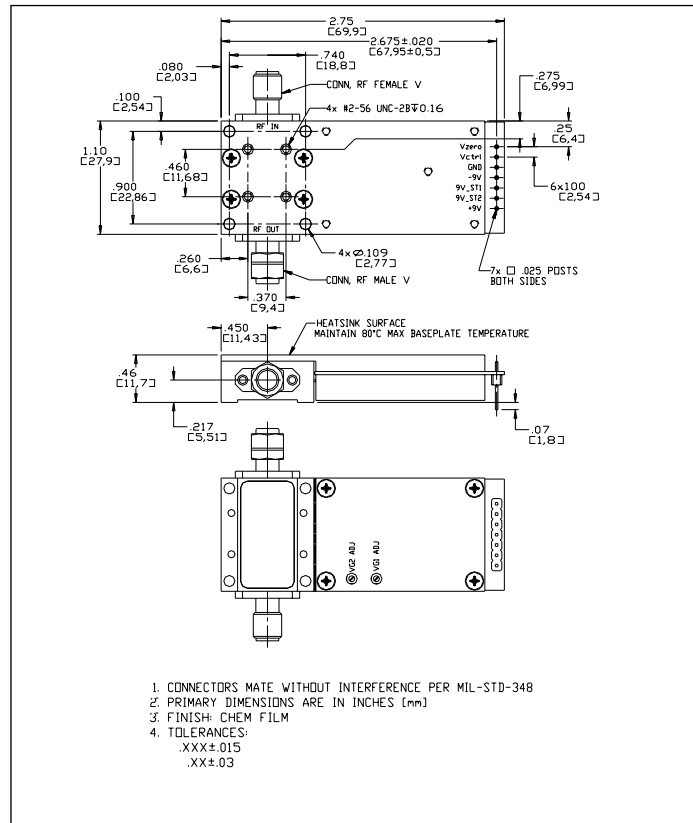
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Preliminary Specifications

PARAMETER	MINIMUM	TYPICAL	MAXIMUM
Data Rate			44 Gbps
Minimum Operating Frequency			80 kHz*
Output signal Amplitude (max)	7.0 Vp-p	7.5 Vp-p	
Output signal Amplitude (min)			3 Vp-p
Input Voltage		0.3 Vp-p	
Input Return Loss		-10 dB	
Output Return Loss		-10 dB	
Rise/Fall Time		5 ps	
RMS Jitter		.5 ps	
Positive (+9V) Supply Current		480 mA	
Negative (-9V) Supply Current		40 mA	
Operating Case Temperature	-5° C		80° C

*Optional version available with 30 kHz low frequency 3 dB rolloff.

Outline Drawing



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.