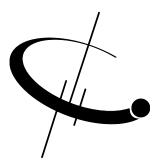
	PM-1064-10	PM-1064-10
DEVICE	10 GHz, 1064 nm Pha	se Modulator
OVERVIEW	1064-10 can provide phase modulation voltage. Its low insertion loss provides is fabricated with Annealed Proton Exc	ormance, 10 GHz LiNbO3 phase modulator. PM- n in a broad operation bandwidth with a low driving for maximum transmission power. The PM-1064-10 change (APE) optical waveguides, and uses tput fibers, making it easy to integrate with other for more information.
FEATURES	 1030 nm to 1070 nm X-cut APE Process 10 GHz Bandwidth Low Optical Loss 	Minimal Back ReflectionsPolarization Maintaining
USE IN	Coherent CommunicationsOptical ChirpingOptical Sensing	 FM Spectroscopy Frequency Shifting Laser Linewidth Broadening
FUNCTION DIAGRAM	Optical Input	Optical Output
		RF Amplifier (RFA-9) More details in the page 4

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PM-1064-10

SPECIFICATIONS

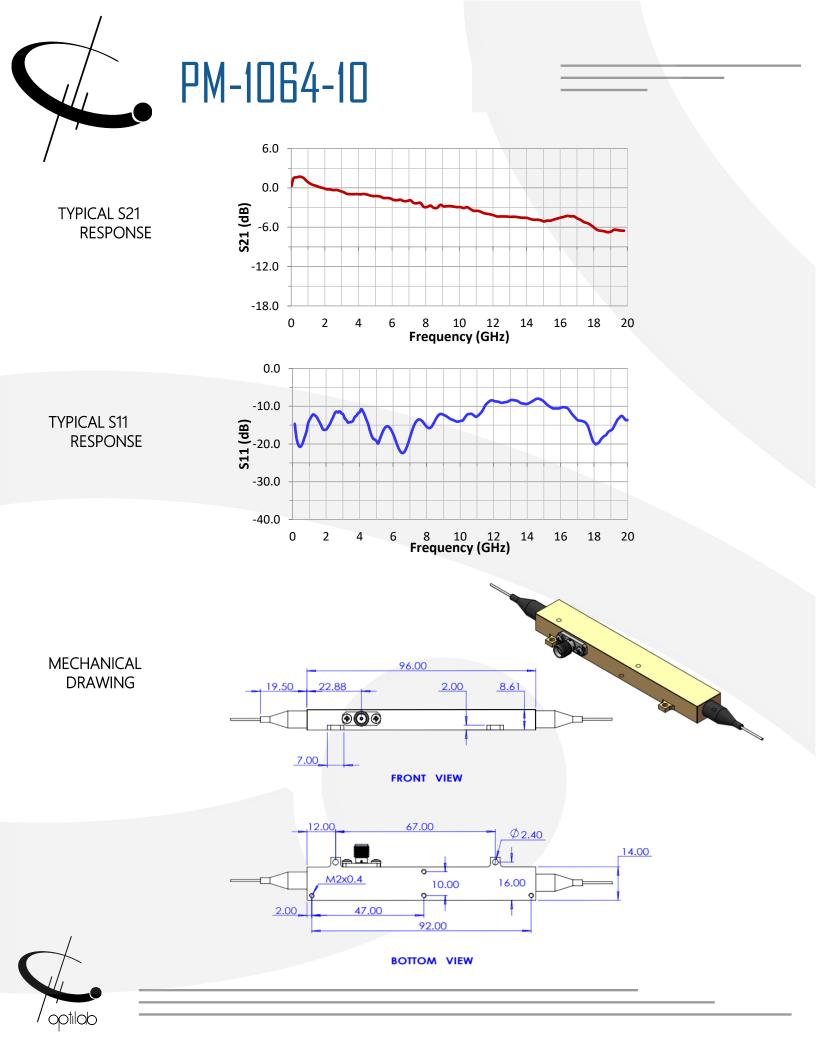
GENERAL

Input Optical Power	60 mW max
Operating Wavelength	1030 nm to 1070 nm
Insertion Loss	3.0 dB typical, 3.5 dB max
Chip Polarization Extinction Ratio	> 60 dB
Pigtail Polarization Extinction Ratio	≥ 20 dB
Process	Proton Exchange
Optical Return Loss	≥ 30 dB
S ₂₁ Bandwidth	7 GHz min, 10 GHz typical 🛽 -3 dB
S ₁₁ Return Loss	≤-10 dB @ 10 GHz
	6.8 V typical 🛽 1 GHz
νπ	10 V typical 🛽 10 GHz
RF Input Power	+27 dBm max
Impedance	50 Ω typical

MECHANICAL

Operating Temperature	-55°C to + 75°C
Storage Temperature	-60 °C to +90 °C
Operating Humidity	0% to 90% Relative Humidity
Input Fiber	Panda, PM 980
Output Fiber Type	Panda, PM 980
Input Connector	PM FC/APC, others available
Output Connector	PM FC/APC; others available
RF Port Connectors	K Connector
Cabling	900 µm tubing
Dimension	3.783"x 0.981" x 0.640"







PM-1064-10

Available Accessories RFA-9



The Optilab RFA-9 is a high gain RF amplifier module with 30dBm output and 10V peak to peak. It offers cost-effective solutions for microwave and analog link. Please contact Optilab for more detail.

