Acoustooptic Modulator

DESCRIPTION

An acoustooptic modulator is a modulation technology based on the acoustooptic effect, that is, the diffraction effect of sound waves on lightwaves. It can be used to control the intensity change of a laser beam, and its speed is much faster than that of the mechanical shutter. Acoustooptic modulator has the characteristics of wide modulation bandwidth, short rise time, high damage threshold, high extinction ratio, small size, high modulation efficiency, easy coding, and convenient use. It is widely used in intensity modulation, laser cooling, laser Doppler velocimetry, laser Doppler vibrometer (LDV) Laser linewidth measurement, laser radar, marking, material processing, micromachining, printing, drilling, and other related fields.

FEATURES

- High diffraction efficiency
- Low RF power consumption
- Compact integrated design
- Wide spectral wavelength range
- Fast switching speed and high bandwidth
- Good temperature stability

APPLICATIONS

- Laser display
- Pulse pickup
- Laser marking
- material processing
- Micromachining
- OEM integrated design application

MODEL AND PARAMETERS

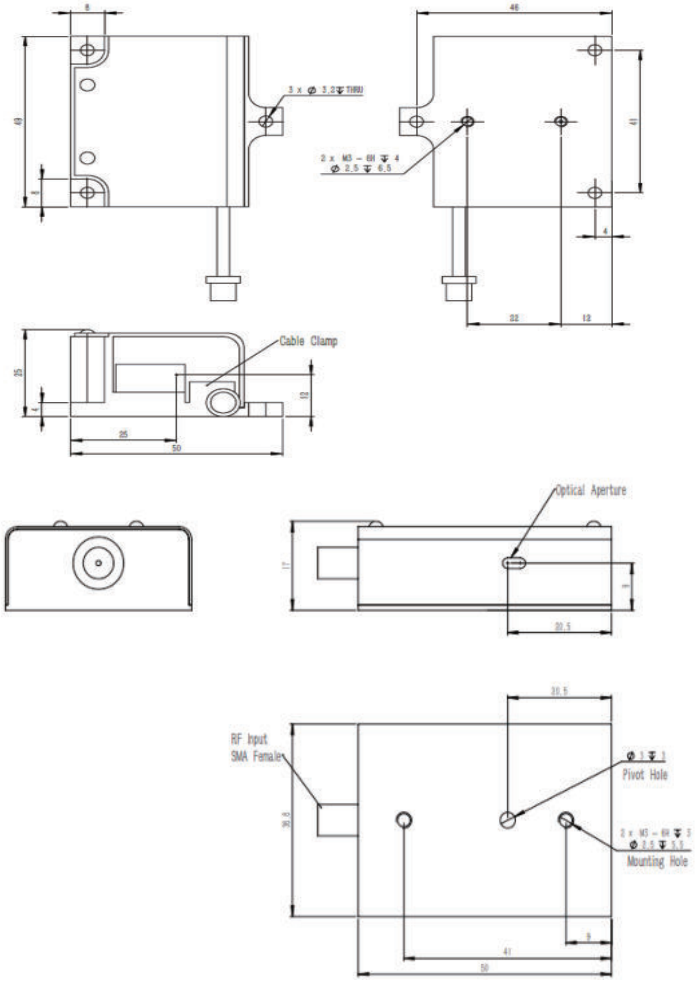
model	Wavelength (nm)	Frequency (MHz)	Light passing aperture (mm)	Diffraction efficiency (%)	Optical power density (W/mm^2)	Drive power (W)	Input Impedance (Ω)	Voltage VSWR
CL-532-80-A1	532	80	1	85	250	0.8	50	<1.3:1
CL-532-80-A2	532	80	2	85	250	1.5	50	<1.3:1
CL-532-100-A1	532	100	1	85	250	0.8	50	<1.3:1
CL-532-200-A0.3	532	200	0.3	70	250	2	50	<1.5:1
CL-532-200-A4	532	200	4	80	250	4	50	<1.5:1
CL-632-80-A1	632	80	1	85	250	0.8	50	<1.3:1
CL-632-100-A1	632	100	1	85	250	0.8	50	<1.3:1
CL-632-200-A0.3	632	200	0.3	70	250	2.5	50	<1.5:1
CL-632-200-A1	632	200	1	85	250	1.5	50	<1.5:1

www.crylink.com
sales@crylink.com
+86-21-66566068
No.599, Huiwangdong Road, Jiading District, Shanghai, China

Acoustooptic Modulator

model	Wavelength (nm)	Frequency (MHz)	Light passing aperture (mm)	Diffraction efficiency (%)	Optical power density (W/mm^2)	Drive power (W)	Input Impedance (Ω)	Voltage VSWR
CL-780-110-A1	780	110	1	85	250	1.3	50	<1.3:1
CL-780-150-A1	780	150	1	75	250	2	50	<1.3:1
CL-780-150-A2	780	150	2	75	250	2.5	50	<1.5:1
CL-780-200-A0.3	780	200	0.3	70	250	3	50	<1.5:1
CL-780-200-A2	780	200	2	70	250	3.2	50	<1.5:1
CL-850-110-A0.7	850	110	0.7	80	250	1	50	1.2:1
CL-850-200-A0.3	850	200	0.3	80	250	3	50	<1.5:1
CL-1064-100-A0.7	1064	100	0.7	85	250	1.8	50	1.2:1
CL-1064-120-A0.7	1064	120	0.7	85	250	1.8	50	<1.3:1
CL-1064-150-A0.5	1064	150	0.5	85	250	2.5	50	<1.3:1
CL-1064-200-A0.3	1064	200	0.3	70	250	2.5	50	<1.3:1
CL-1550-40-A0.7	1550	40	0.7	80	250	2.5	50	<1.3:1
CL-1550-60-A0.5	1550	60	0.5	80	250	2.5	50	<1.3:1
CL-1550-80-A0.7	1550	80	0.7	80	250	2.5	50	<1.3:1
CL-1550-150-A0.5	1550	150	0.5	65	250	2.5	50	<1.5:1
CL-1550-200-A0.3	1550	200	0.3	55	250	3	50	<1.5:1

STRUCTURE DIAGRAM



Acoustooptic Modulator

PACKAGE DIAGRAM