

OAM1141-TxxS-2

AO Frequency Shifter

(Off axis)



0214

The OAM1141 series is a compact AOM specifically designed for acousto-optic frequency shifting. These devices have a preferred orientation and input polarization. The diffracted output polarization is rotated.

FEATURES

Small Size
Low Drive Power

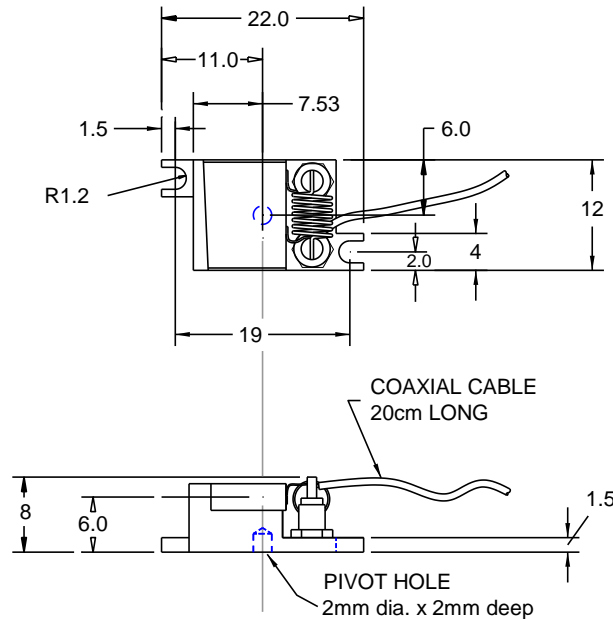
DRIVERS

Model 521C-L (Digital)
Model 531C-L (Analog)

SPECIFICATIONS

Standard Operating Wavelength:	633nm (others available)
Interaction Material:	Slow Shear TeO ₂
Active Aperture:	2mm
Center Frequency (fc):	
xx=40	40MHz
xx=80	80MHz
Input Impedance:	50 Ohms (nominal)
VSWR:	<1.5:1 @ fc
RF Drive Power:	0.3 Watt (nominal)
Diffraction Efficiency:	>80%
Insertion Loss:	<3%

OUTLINE DRAWING



ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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Quality Assured.

In-house: Crystal Growth,

Optical Polishing,

A/R coating, Vacuum Bonding