

M1141-P80-1

AO Frequency Shifter



0706a

The model M1141 is specifically designed for operation as an 80MHz acousto-optic frequency-shifter at 633nm.

FEATURES

Small Size
Low Drive Power
Good Temperature Stability

DRIVERS

Model 522C-L (Digital)
Model 532C-L (Analog)

SPECIFICATIONS

Standard Operating Wavelength:	633nm (Others available)
Interaction Material:	Lead Molybdate (PbMoO ₄)
Active Aperture:	1mm
Centre Frequency (f_c):	80MHz
RF Bandwidth (Δf):	20MHz
Input Impedance:	50 Ω (Nominal)
VSWR:	< 1.5 :1 at f_c
Laser Polarization:	Any
Optical Power:	< 2W

PERFORMANCE

Wavelength:	633 nm
RF Drive Power:	< 0.6 W
Bragg Angle (@ 80MHz):	6.98 mrad
Beam Separation (@ 80 MHz):	13.95 mrad
Diffraction Efficiency	$\geq 80\%$ min, $> 85\%$ typ
Static Insertion loss	< 3% max, < 2% typ

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ISOMET CORP, 5263 Port Royal Rd, Springfield, VA 22151, USA.

Tel: (703) 321 8301 Fax: (703) 321 8546

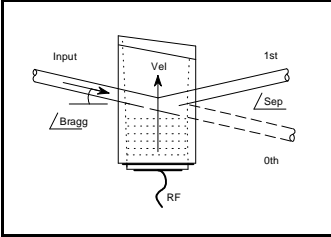
E-mail: ISOMET@ISOMET.COM Web Page: WWW.ISOMET.COM

Quality Assured.

In-house: Crystal Growth,

Optical Polishing,

A/R coating, Vacuum Bonding



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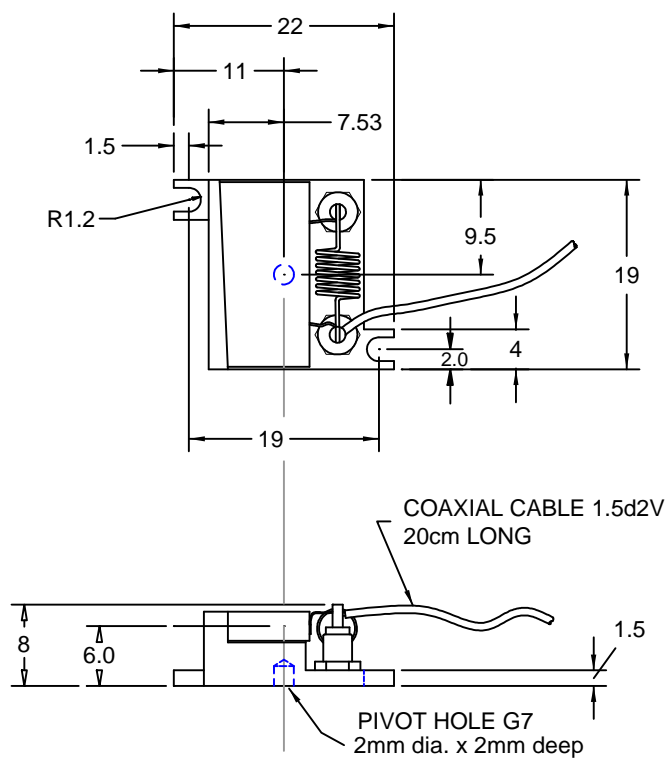


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OUTLINE DRAWING

Dimensions: mm

Case material: Aluminium



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