

M1377-aQ80L-1 (1.5um)



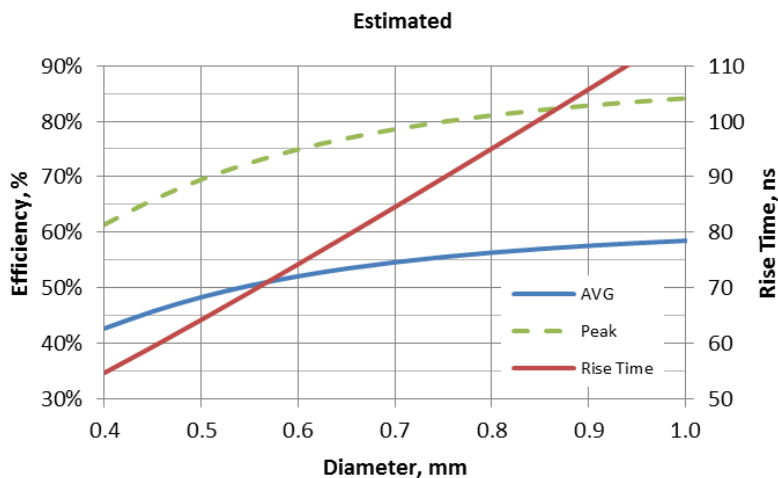
High Power AO Modulator

1020

The M1377-aQ80L series are longitudinal mode, conduction cooled acousto-optic modulators designed for use with polarized pulsed lasers. These devices exhibit very low insertion loss and high damage threshold. All Isomet AO devices benefit from the company's unparalleled experience in OEM manufacturing, with all key processes maintained in-house.

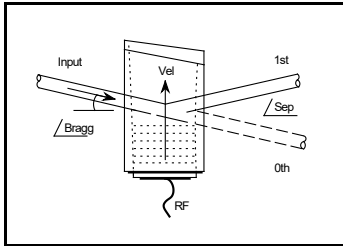
Specifications

Acoustic Frequency f_c :	80.0MHz
Interaction Material:	Quartz
Wavelength:	1550nm
A/R Coating:	< 0.25% / surface
Active Aperture, H :	1.0mm (Please contact for alternative apertures).
Clear Aperture:	4.5mm
Acoustic Mode:	Longitudinal
Rise/Fall time:	114nsec / mm beam waist
Bragg Angle:	10.88 mrad
Separation Angle at f_c :	21.75 mrad
Polarization:	Linear, vertical
Transmission:	> 99.5%
Peak RF power for max DE	<u>H=1.0mm</u> 26W
Maximum CW RF power	10W
Cooling:	Conduction
Input Impedance:	50 Ohms
VSWR:	< 1.2:1



ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 ISOMET CORP, 10342 Battlevue Parkway, Manassas, VA 20109, USA.
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 E-mail: ISOMET@ISOMET.COM Web Page: WWW.ISOMET.COM

Quality Assured.
 In-house: Crystal Growth,
 Optical Polishing,
 A/R coating, Vacuum Bonding



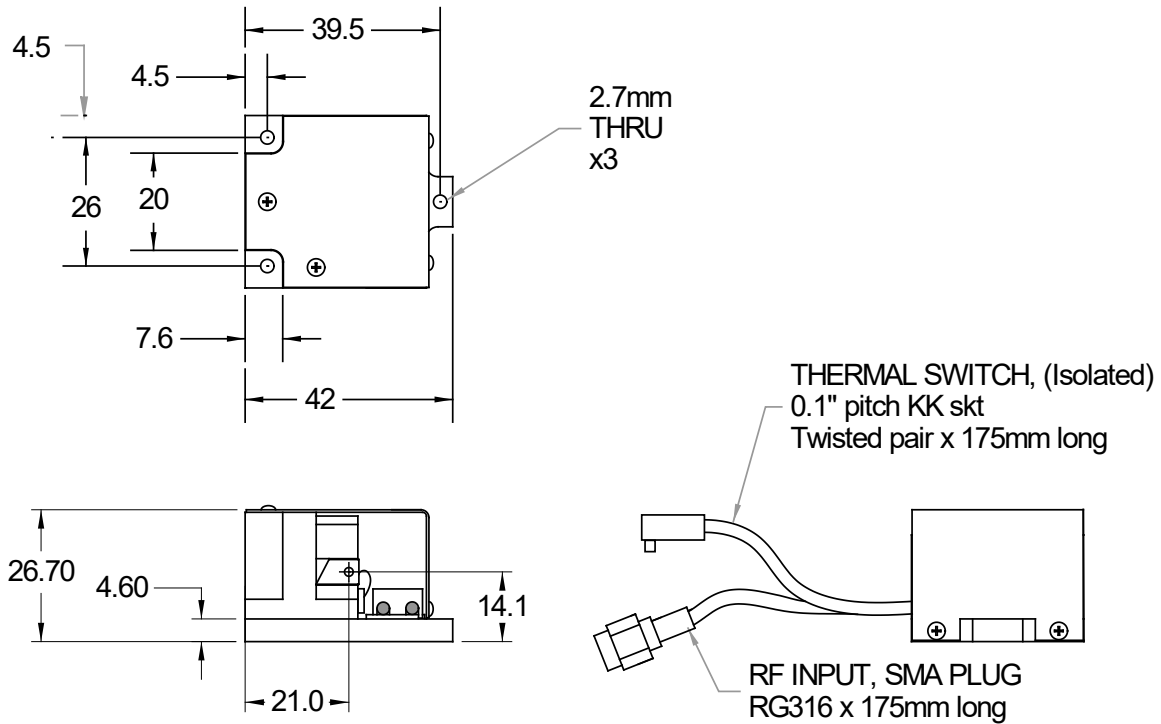
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Outline Drawing



Dimensions: mm

Ensure adequate heaksinking through mounting surface.
Case temperature must not exceed 50degC

Thermal Interlock switch is optional

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