

Q1062-FSxxS-H AO Q-SWITCH



0509

The Q1062-FSxxS series are shear mode acousto-optic Q-switches designed for use with high power unpolarized DPSS Nd:YLF and Nd:YAG lasers. These devices exhibit very low insertion loss and high damage threshold. All Isomet AO Q-switches benefit from the company's unparalleled experience in OEM manufacturing, with all key processes maintained in-house. These include optical fabrication, A/R coating and proven high power transducer bonding technology.

Specifications

Acoustic Frequency:	24.0MHz or 27.12MHz
Interaction Material:	Fused Silica
Wavelength:	1047nm to 1064nm
A/R Coating:	< 0.2% / surface
Active Aperture, H:	3.0, 4.0, 5.0 and 6.0 mm *
Clear Aperture:	9.0mm
Acoustic Mode:	Shear
Rise/Fall time:	173nsec / mm beam waist
Polarization:	Random
Transmission:	> 99.5% (single pass)
Cavity Insertion Loss:	10% max, <5% typical
Damage Threshold:	> 500MW/cm ²
RF power	Up to 70W (aperture dependent)
Cooling:	Water, 22+/-5 °C, >380ml/min
Input Impedance:	50 Ohms
VSWR:	< 1.2:1

Model Selection:

	<u>Freq</u>	<u>Active Aperture</u>	
Q1083 - FS	xx	S -	H
24.0MHz	24	3	3mm
27.12MHz	27	4	4mm
		5	5mm
		6	6mm

* Please contact Isomet for alternative apertures.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

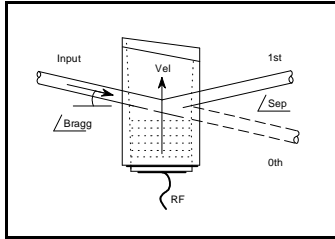
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Quality Assured.

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

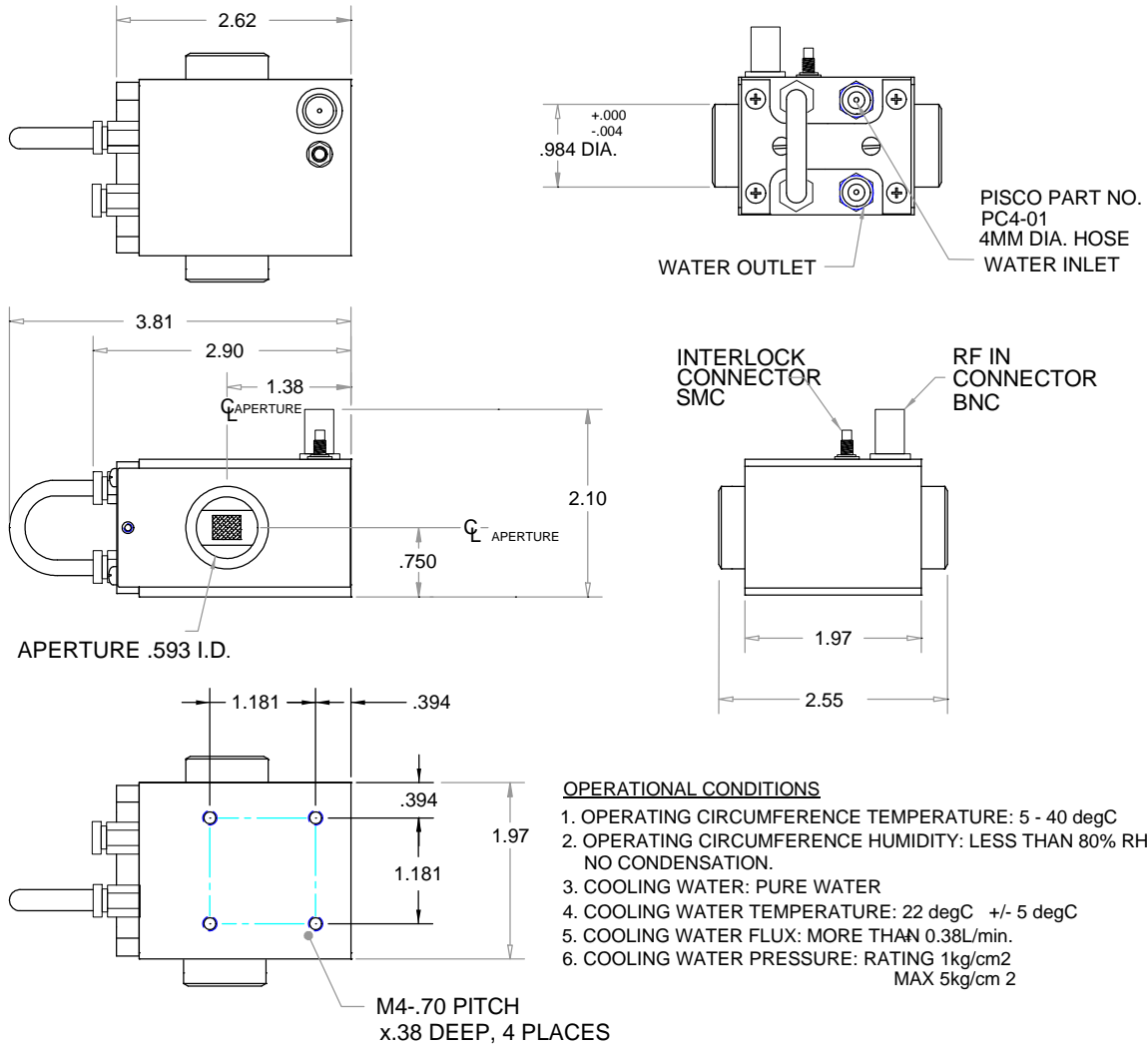


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Outline Drawing



Recommended Drive Electronics

RF Driver with Modulation Control

AQS1080-FC-x

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