

Q1062A-FSxxL-H AO Q-SWITCH



The Q1062-FSxxL series are longitudinal (compressional) mode acousto-optic Q-switches designed for use with high power polarized 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: Interaction Material: Wavelength: A/R Coating:

Active Aperture, H: Clear Aperture: Acoustic Mode: Rise/Fall time:

Polarization: Transmission: Cavity Insertion Loss: Damage Threshold:

RF power Cooling: Input Impedance: VSWR: 24.0MHz, 27.12MHz or 40.68MHz Fused Silica 1047nm to 1064nm < 0.2% / surface

2.0, 3.0, 4.0 and 5.5 mm * 9.0mm Longitudinal (compressional) 109nsec / mm beam waist

Linear > 99.5% (single pass) 10% max, <5% typical > 500MW/cm²

Up to 70W (aperture dependent) Water, 22+/-5 °C, 380ml/min 50 Ohms < 1.2:1

Model Selection:

Freq			Active Aperture	
Q1083 - FS	хх	L -	н	
24.0MHz 27.12MHz 40.68MHz	24 27 41		2 3 4 5.5	2mm 3mm 4mm 5.5mm

* Please contact Isomet for alternative apertures.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICEISOMET CORP, 5263 Port Royal Rd, Springfield, VA 22151, USA.Tel: (703) 321 8301Fax: (703) 321 8546E-mail: ISOMET@ ISOMET.COMWeb Page: WWW.ISOMET.COM

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

