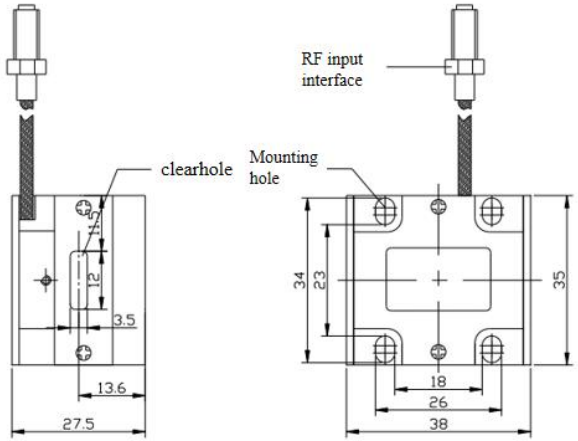
2μm Acousto-optic Q switch series

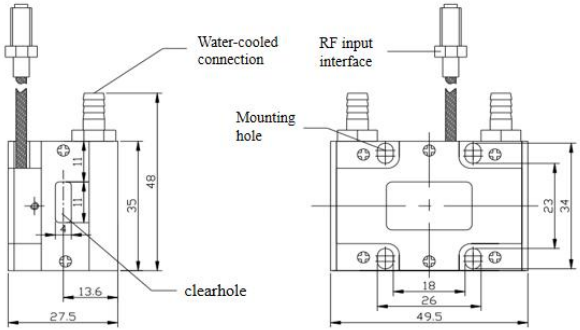
Product Overview:	The acousto-optic Q switch realizes the Q switch of 2μm laser cavity by the principle of acousto-optic interaction. High intensity pulsed light is generated by actively controlling the quality factor Q (loss) in the cavity. The use of unique acousto-optic device manufacturing and packaging technology ensures that our products are robust and compact, with stable beam quality and excellent heat dissipation performance. It is widely used in high repetition frequency Q-switched laser, laser cutting, laser engraving and other fields.
Performance characteristics:	●High repetition rate ●High diffraction efficiency ●High temperature stability and reliability ●High damage threshold
Application area:	●Laser marking、cutting,、engraving ●Laser ranging ●Laser medical treatment
Ordering Information:	This indicator is a typical optical wavelength indicator, and other wavelengths and frequencies can be selected.

Parameter	Unit	SGQ41-2000-1QC	SGQ41-2000-2QB	SGQ27-2000-3QI
Wavelength	nm	1900-2100		
Polarization state of input light	-	Linear polarization(⊥)		

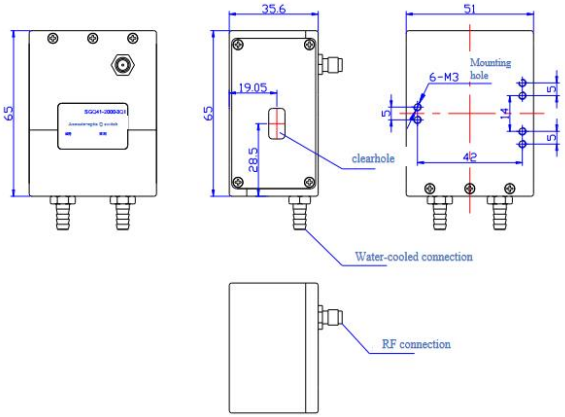
Center frequency	MHz	40.68		27
Diffraction efficiency	%	≥65	≥80	≥70
Optical aperture	mm	1	2	3
Drive power	W	20	40	50
Damage threshold	W/cm2	1G		
Static transmissivity	%	99		
RF connector	-	20cm cable with SMA female connector		SMA female connector
Input impedance	Ω	50		
VSWR	-	< 1.3：1		
Cooling mode	-	Conduction cooling	Water-cooling	
Package	-	QC	QB	QI



Package QC



Package QB



Package QI