



2.7 μm Acousto-optic Q switch series

Product Overview:	This series of 2.7μm laser cavity Q switches is realized by the principle of acousto-optic interaction. It is designed with minimal insertion loss, high quality fused quartz and an anti-reflection film with unique technology that enables the product to withstand very high laser power and provides excellent corrosion protection for optimal performance. Mainly used in material processing, laser marking, laser engraving, laser drilling, laser medical treatment and so on.	
Performance characteristics:	<ul style="list-style-type: none"> ●High repetition rate ●High diffraction efficiency ●High temperature stability and reliability ●High damage threshold 	
Application area:	<ul style="list-style-type: none"> ●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	SGQ41-2700-2QF
Wavelength	nm	2700

Polarization state of input light	-	Arbitrary
Center frequency	MHz	40.68
Diffraction efficiency	%	≥ 80
Optical aperture	mm	2
Drive power	W	30
Damage threshold	W/cm ²	500
Static transmissivity	%	99
RF connector	-	SMA female connector
Input impedance	Ω	50
VSWR	-	< 1.3: 1
Cooling mode	-	Water-cooling
Package	-	QF



