

Acousto-optic Q-switch WCAQ Series

Appearance



Description

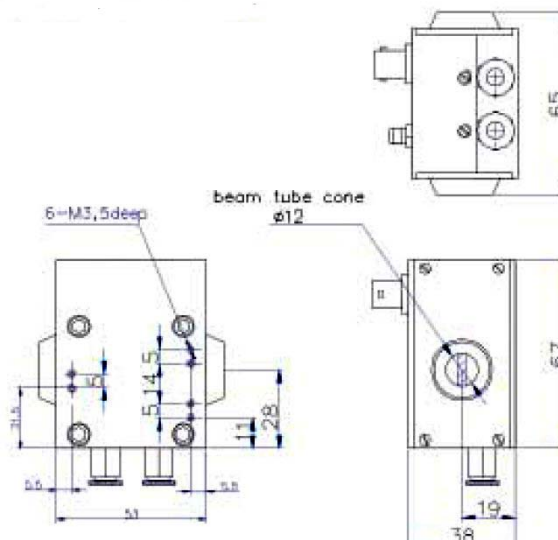
WCAQ-5 acousto-optic Q-switch is a water cooled acousto-optic Q-switch which is design- ed for the YAG laser with a laser power of 30~ 50W. It can be widely applied in various of laser processing equipment, such as laser marking machine, scribing machine, engraving machine, cutting machine and fine processing machine.

This product has such characteristics as quick modulation rate, low insertion loss, high damage threshold, convenient use, stable and reliable work and high cost performance, and also has the first pulse suppression function.

Standard Specifications

Interaction Material	Fused Silica
Wavelength	1.06μm
Frequency	27±0.1MHz
Anti-Reflection Coating	<0.2% per surface
Transmission (single pass)	>99.6%
Damage Threshold	>500MW/cm2
VSWR	≤1.2(50Ω input impedance)
Active Aperture	3-5mm
Protection	Automatic protection function of overheating

Mechanical Dimensions



PR driver of acousto-optic Q-switch

Appearance



Description

This product is a RF driver which is designed for the acousto-optic Q-switch of WCAQ-5 and can independently control the output of radio frequency signal via computer signal. It is applied in various of laser equipment, like laser marking machine, scribing machine, engraving machine, cutting machine and fine processing machine.

This product has such characteristics as quick modulation rate, convenient control and stable and reliable work, and also has such functions as first pulse suppression and automatic protection and alarm.

Standard Specifications

Working Frequency	27MHz±0.1MHz
RF Power Output	50W±3W
Modulation Repetition Rate	1KHz-50KHz(adjustable)
Pulse Width	5µs-20µs (adjustable)
First Pulse Suppression Time	100µs-1000µs (adjustable)
Output Impedance	50Ω
Voltage Standing Wave Ratio	≤1.2(connected to 50Ω load)
Power Supply	AC 220V±10%
Modulation Control Inputs	Digital TTL
Protection	Automatic protection function of overheating, open circuit and short circuit

Mechanical Dimensions

