

# ACOUSTO-OPTIC PULSE PICKER

A pulse picker is a high-speed acousto-optic modulator that picks out individual laser pulses in a pulse train for reshaping and amplification. Coherent's AO-picker has a very fast response time, less than 10ns, to ensure that the client successfully picks a single light pulse. The interior is also equipped with a special extinction structure, so it has a good extinction ratio. In addition, excellent crystal processing technology and mature vacuum thermos-compression bonding technology ensure product performance and reliability.



## FEATURES

- High quality TeO<sub>2</sub> crystal
- Thermos-compression bonding
- Fast response time
- Good performance and reliability

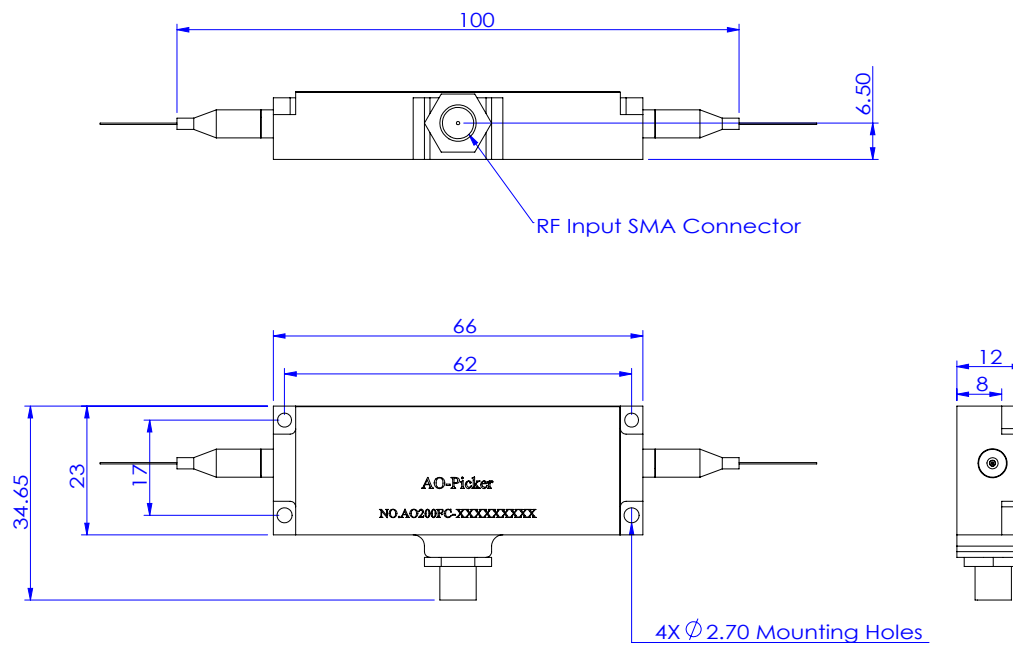
## APPLICATIONS

- Femtosecond and Picosecond Pulse lasers

General Specification

Parameters	Unit	Value
AO Medium	—	TeO2
Center Wavelength	nm	1064 ±30
RF Frequency	MHz	200
Max RF Power	W	2.5
Insertion Loss	dB	< 3
Extinction Ratio	dB	> 45
Polarization Extinction Ratio	dB	> 18
Rise Time & Fall Time	ns	< 10
Input Impedance	Ω	50
VSWR	MHz	< 1.2:1
Fiber type	—	Corning PM98-U25DD-H
Storage Temperature	°C	-10 - 60
Operating Temperature	°C	10 - 40

Mechanical Structure



Units: mm