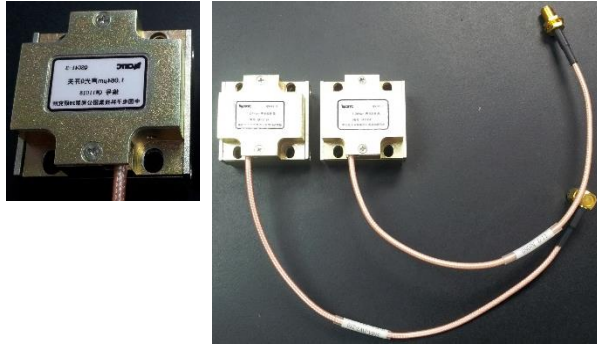


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AO Q-Switch
Model: QSG41-3
P/N: CETC-QSG41-3
Rev: A

Acousto-optic Q-Switch, 40.68MHz
 Condition Cooling, Overheating Protection

Description

QSG41-3 Acousto-Optic Q-Switch is a conduction-cooled Acousto-optic Q-switch which is designed for the 10~20W DPL laser

It is widely applied in various of laser equipment like laser distance measuring equipment, laser radar, laser marking machine and fine processing.

Characteristics:

- ❖ Small volume
- ❖ High switch-off power
- ❖ Quick modulation rate
- ❖ Convenient use, stable and reliable work
- ❖ First pulse suppression function
- ❖ Automatic protection function of overheating

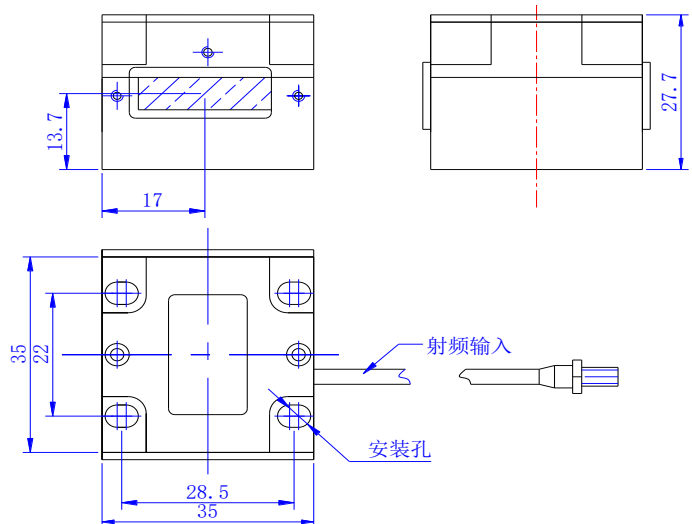
Applications:

- ❖ Laser distance measuring equipment
- ❖ Laser radar
- ❖ Laser marking machine and fine processing

General Specification

Interaction Material	Silica
Wavelength	1064nm
Operating Frequency	40.68MHz
Diffraction Efficiency	≥ 80% (⊥) @ 10W
RF Power Rating	≤ 12W
VSWR	≤ 1.2
Input Impedance	50 Ω
Light Aperture	1.5mm
Cooling Method	Conduction cooling
Protection	Automatic overheating protection
RF Connection	SMA
Recommended RF Driver	Model #: QSG41-3/D

Outline: Dimensions (mm)



Photonics USA

About CETC 26th



The 26th Institute of China Electronic Technology Group Corporation (CETC 26th) is specialized in R&D of piezoelectric and Acousto-optic technologies. Its R&D center of AO technology was started in 1972, with strong design capability and a complete production line, has developed dozens of varieties of AO products. Custom-made service and quality solutions can also be provided to meet customers' special interest.

CETC 26th has passed ISO9001-2000, GB/T24001-2004 and GB/T28001-2001 certification. Quality is strictly controlled at each production phase, covering material selection, processing, assembling and testing.

AO devices of CETC 26th are widely used for various laser applications.

Main products include:

- **Free space coupled AO device & Driver:** Q-Switch, modulator, frequency shifter, deflector, adjustable filter and mode locker, etc.
- **Pigtail coupled AO device & Driver:** fibered AO Q-Switch, fibered modulator, fibered frequency shifter, etc.