Photonics USA

Driver for AO Q-Switch QSG70-7
Model: QSG70-7/D
P/N: CETC-QSG70-7D
Rev: A

Acousto-optic Q-Switch Driver, 70MHz
12W, 24V, TTL, FPS, Air Cooled, SMA

Description

QSG70-7/D is the RF Driver which is designed for the Acousto-optic Q-switch of QSG70-7. It adopts the DC input mode, so as to conveniently realized the modulation of radio frequency signal by inputting the control signal.

Characteristics:

- Small volume
- High working efficiency
- Quick fall time of pulse
- High harmonic suppression ratio

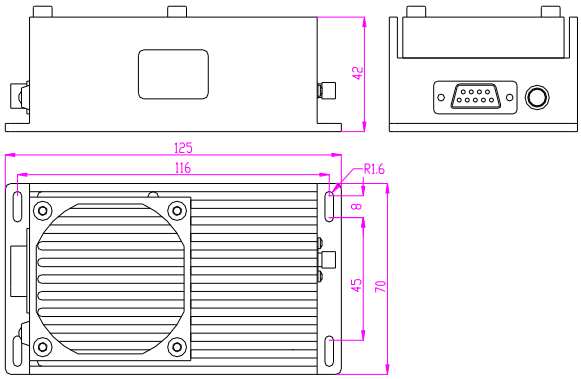
Applications:

- QSG70-7 AO Q-switch

General Specification

Interaction Material	Silica
Operating Frequency	70MHz
Electrical Power	≥ 12W
Modulation Frequency	≥ 200kHz
VSWR	≤ 1.2 (50 Ω input impedance)
Operating Voltage (DC)	25V ±5%
Output Impedance	50 Ω
Light Output Level	High/Low (optional), TTL
First Pulse Suppression	FPS
Cooling Method	Air cooled
RF Connection	SMA
Control Interface	DB-9
Recommended Q-Switch	Model #: QSG70-7

Outline: Dimensions (mm)



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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.