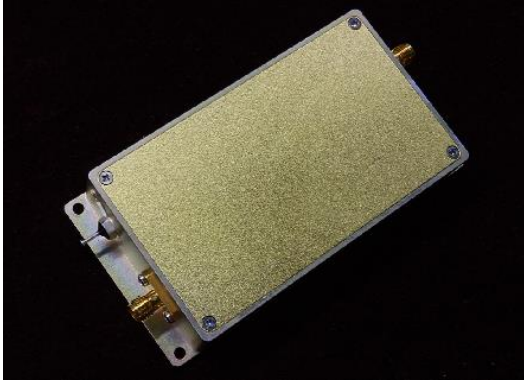


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Driver for AO Modulator
Model: TSGMN-5/D
P/N: CETC-TSGMN-5D-xxx-yy-zz
Rev: A

Acousto-optic Modulator Driver
 1W, 24V, TTL, SMA

Description

The **TSGMN-5/D** RF Driver, adopting the DC power supply, is the auxiliary RF driver for the Acousto-optic modulator of TSGMN-5. It provides radio frequency driving signal for the Acousto-optic modulator, and transmits the inputted modulation signal into the acousto-optic modulator.

Characteristics:

- ❖ Short rise time of modulation signal
- ❖ Tunable output power
- ❖ High on/off ratio
- ❖ Convenient use

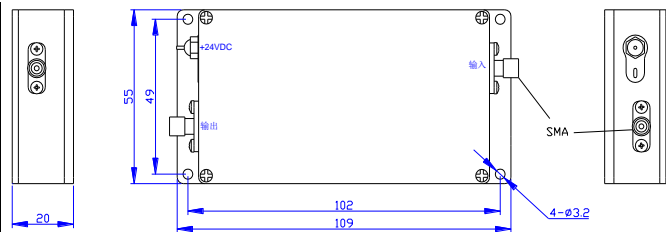
Applications:

- ❖ For TSGMN-5 AO Modulators

General Specification

Operating Frequency	80MHz, 100MHz (or else)
Modulation Frequency	≥ 4MHz
Pulse Rise Time	< 30ns
Electrical Power	≥ 1W, tunable (or else)
VSWR	≤ 1.2
Operating Voltage (DC)	24V ±5%
Control Signal Level	TTL
RF Connection	SMA
Control Interface	SMA
Recommended AOM	Model #: TSGMN-5

Outline: Dimensions (mm)



Order Information

Model #	Operating Frequency	Electrical Power	Operating Voltage (DC)
CETC-TSGMN-5D	-xxx	-yy	-zz
CETC-TSGMN-5D	-060 = 60MHz -080 = 80MHz -100 = 100MHz -150 = 150MHz or else	-10 = 1.0W, or else	-24 = 24V, or else

Example Part #: **CETC-TSGMN-5D-100-10-24** (CETC AO Modulator TSGMN-5 RF Driver, 100MHz, 1.0W, 24V DC)

Contact: sales@photonics-usa.com

www.photonics-usa.com

As part of our policy of continuous product improvement, we reserve the right to change the specification at any time.

Document: CETC-TSGMN-5D-xxx-yy-zz Rev: A

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.