

# Photonics USA



**Driver for AO Frequency Shifter**  
**Model: YSGMN-2/D**  
**P/N: CETC-YSGMN-2D-xxx-yy-zz**  
**Rev: A**

Acousto-optic Frequency Shifter Driver  
 >0.8W, 24V, variable frequency, SMA

## Description

The RF driver of **YSGMN-2** acousto-optic frequency shifter is the variable frequency driver.

The shift frequency can be adjusted by the inside of RF driver or by the externally inputted DC voltage.

## Characteristics:

- ❖ Big bandwidth tunable range
- ❖ High frequency stability
- ❖ Stable power output

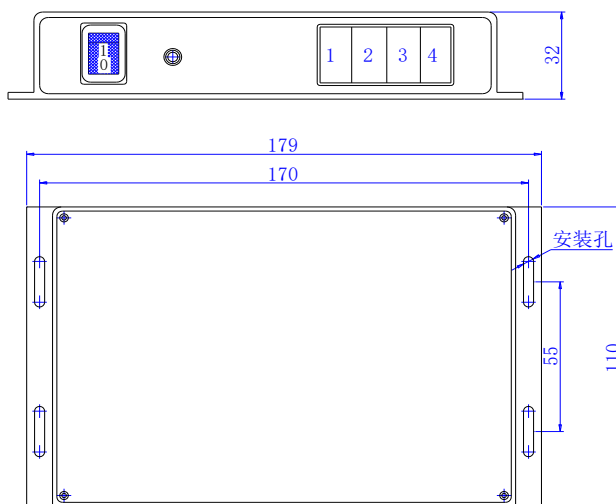
## Applications:

- ❖ For YSGMN-2 AO frequency shifter (fixed)

## General Specification

Center Frequency	70MHz, 100MHz, 150MHz (or else)
Frequency Shift Range	≥ 20MHz
Output Power	≥ 0.8W (or else)
Frequency Stability	1 x 10 <sup>-6</sup> /2h
Operating Voltage (DC)	24V ±5%
RF Connection	SMA
RF Control	Dial switch
<b>Recommended AO Frequency Shifter</b>	Model #: YSGMN-2

## Outline: Dimensions (mm)



## Order Information

Model #	Operating Frequency	Electrical Power	Operating Voltage (DC)
<b>CETC-YSGMN-2D</b>	<b>-xxx</b>	<b>-yy</b>	<b>-zz</b>
CETC-YSGMN-2D	-070 = 70MHz -100 = 100MHz -150 = 150MHz or else	-10 = 1.0W, or else	-24 = 24V, or else

Example Part #: **CETC-YSGMN-2D-100-10-24** (CETC AO Frequency Shifter YSGMN-2D RF Driver, 100MHz, 1.0W, 24V DC)

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

Document: YSGMN-2D-xxx-yy-zz Rev: A

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## About CETC 26<sup>th</sup>



The 26<sup>th</sup> Institute of China Electronic Technology Group Corporation (CETC 26<sup>th</sup>) 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 26<sup>th</sup> 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 26<sup>th</sup> 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.