

Acousto-optic modulator TSGMN-3 TSGMN-5

Description

It belongs to the high-speed acousto-optic pulse modulator which realizes the intensity modulation over the laser according to the inputted pulse signal and gets corresponding digitally coded optical signal by inputting the digital signal of different codes and frequencies (TTL level) into the driving power supply of modulator. It is mainly used in such fields as laser text-image processing and laser digital communication.



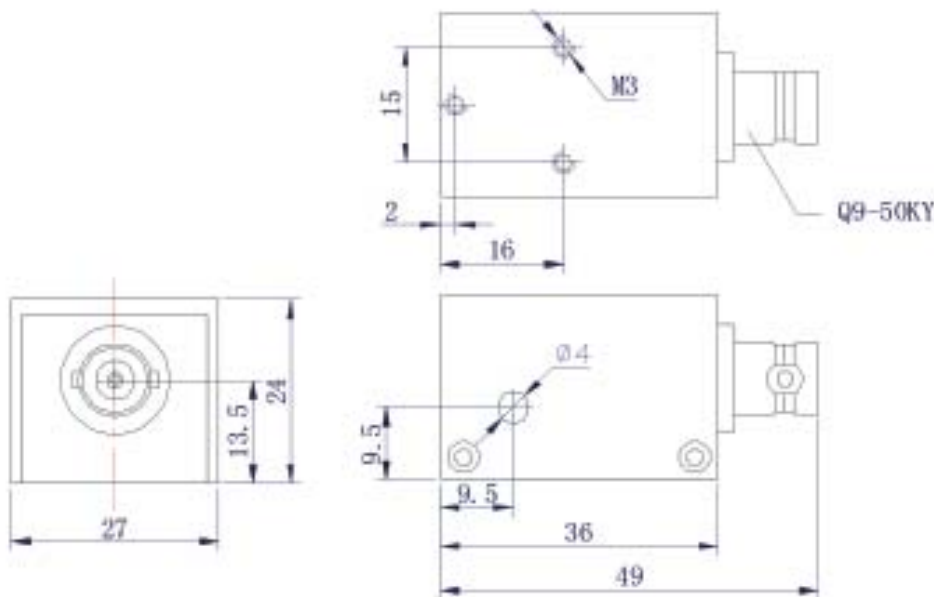
Characteristics

This product has such characteristics as quick modulation rate, small volume, high efficiency, high extinction ratio, easy coding and convenient use.

Specification

Interaction Material	Lead molybdate or tellurium oxide
Wavelength	633nm (450~850nm, optional)
Transmission (single pass)	> 93%
Frequency	100MHz (60~150MHz, optional)
Diffraction efficiency	> 75%
Active Aperture	1.2mm (TSGMN-3) 0.9mm (TSGMN-5)
Extinction ratio	> 1000:1
Pulse repetition frequency	1MHz (TSGMN-3) 4MHz (TSGMN-5)
RF Power Rating	< 1.5W
Input impedance	50 Ω

Mechanical Dimensions



This product is provided with the auxiliary driver, and can be customized according to user requirements.