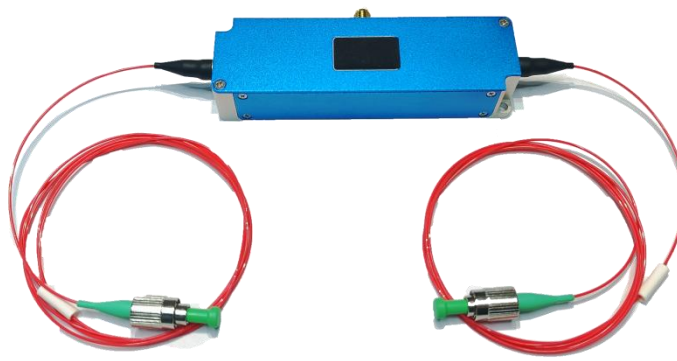
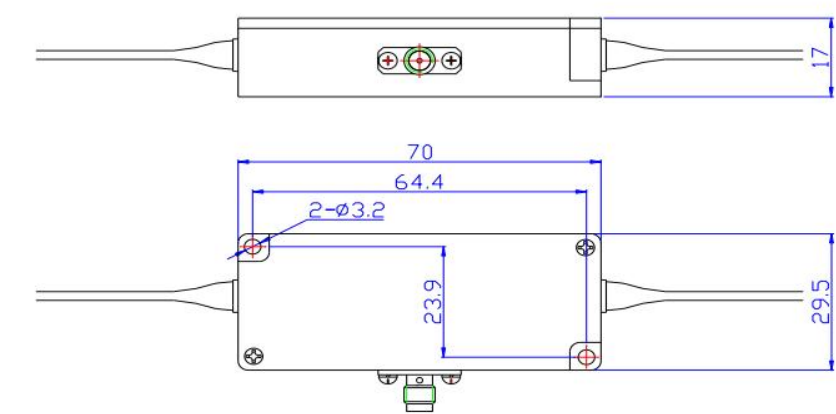




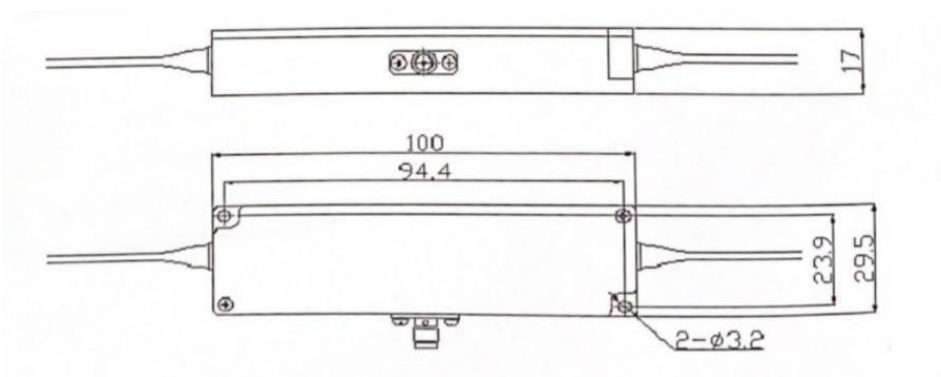
1550nm fiber AOM (High power series)

Parameter	Unit	Single mode fiber is represented by "1", and single mode polarization maintaining fiber is represented by "1P".				
		SGTF80-1550-1(S)-HP5 SGTF80-1550-1P(S)-HP5	SGTF120-1550-1FG-HP5 SGTF120-1550-1PFG-HP5	SGTF150-1550-1FG-HP5 SGTF150-1550-1PFG-HP5	SGTF200-1550-1FG-HP5 SGTF200-1550-1PFG-HP5	SGTF300-1550-1PFG-HP3
Insertion loss	dB	<2.5	<3.5	<3.5	<4.5	<5
Rise time	ns	<300	<40	<20	<12	<10
shift frequency	MHz	80	120	150	200	300
3dB frequency shift bandwidth	MHz	>15	>20	>30	>40	>60
Wavelength	nm	1530-1570				
Optical power	W	≤5W				≤3W
On - off extinction ratio	dB	≥50				
Polarization extinction ratio (PM device)	dB	≥20				
Polarization dependent loss (SM device)	dB	<0.5				
Driving power	W	<2				
Fiber type	-	PM1550(PM) 、SMF28e(SM) or others				

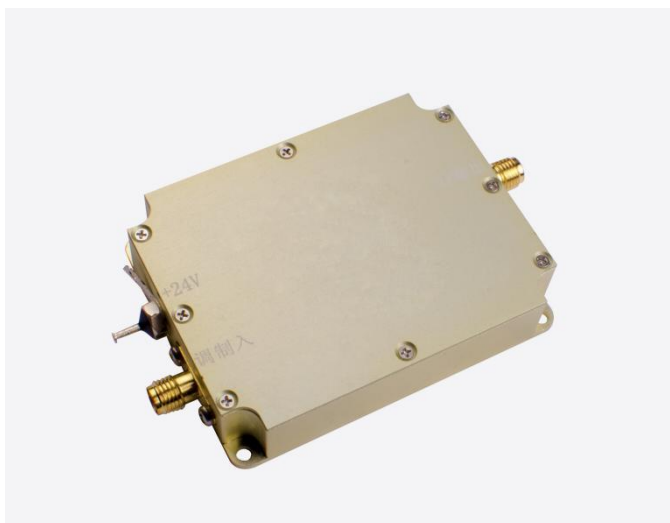
Optical fiber connector	—	FC/APC	
RF input joint	—	SMA	
Fiber length	m	>1	
Input impedance	Ω	50	
VSWR	—	<1.3:1	
Package	—	FA	FG



Package FA



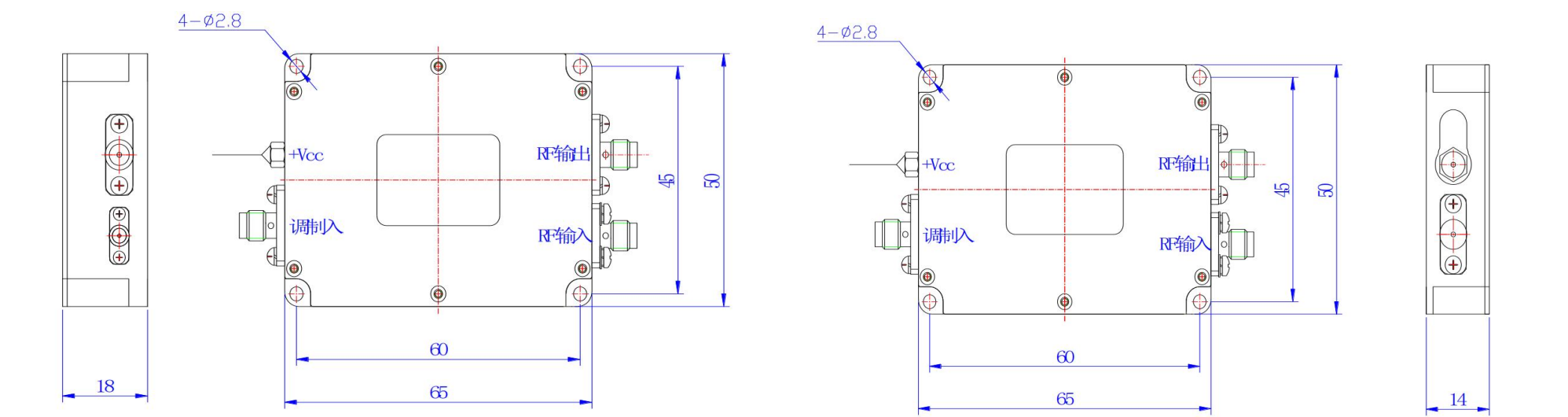
Package FG



Low-power N-type acousto-optic driver

Product Overview:	Product overview: acoustooptic driver is a RF driver that provides supporting functions for acoustooptic device products. It is applicable to acoustooptic modulator and frequency shifter products with driving power less than 3W. The RF signal generated by the driver is used to generate ultrasonic waves in the crystal of the acoustooptic device. The frequency and intensity of the RF signal applied will determine the degree to which the beam is modulated, deflected or tuned. The drive has good heat dissipation, and the use of matched drive will bring better temperature stability.					
Performance characteristics:	●Small size ●Fast response time ●Low power consumption ●High temperature stability and reliability					
Supporting drive	—	Model (SGXXXX-33-N-ab) "X" - use "Y" for frequency shift function, and "T" for modulation function; "XXX" - operating frequency "33" refers to RF output power; "N" indicates the package type; "A" - use "1" for power supply voltage 24V, "2" for power supply voltage 12V; "b" - use "D" for digital TTL modulation, and "A" for analog modulation.				
		SGT80-33-N-1D	SGT120-33-N2-1D	SGT150-33-N2-1D	SGT200-33-N-1D	SGT300-33-N2-1D
		SGT80-33-N-1A1	SGT120-33-N2-1A1	SGT150-33-N2-1A1	SGT200-33-N-1A1	SGT300-33-N2-1A1
		SGT80-33-N-1A5	SGT120-33-N2-1A5	SGT150-33-N2-1A5	SGT200-33-N-1A5	SGT300-33-N2-1A5
Specifications of modulation input interface						
Modulated signal input	-	Digital modulation (high level 3.3-5V; low level 0-0.2V@1k Ω)				

		Analog modulation (A1: 0-1V@50 Ω) Analog modulation (A5: 0-5V@1k Ω)				
Interface	-	SMA				
RF output interface specification						
Output signal frequency	MHz	80	120	150	200	300
Frequency stability	ppm	20 (1 Special)				
Output signal power	W	<2				
Rise and fall time	ns	<25	<25	<20	<10	<8
Switching ratio	dB	≥60				
Harmonic suppression ratio	dBc	>25				
Signal output standing wave ratio	—	≤1.3				
Interface	—	SMA				
Complete machine specification						
Maximum power consumption	W	10				
Working voltage	Vdc	24±1V（Optional 12±0.5V）				
Power interface	-	Through core capacitance (core wire is connected to positive, solder lug is connected to negative)				
Package	-	N/N2				



Package N

Package N2