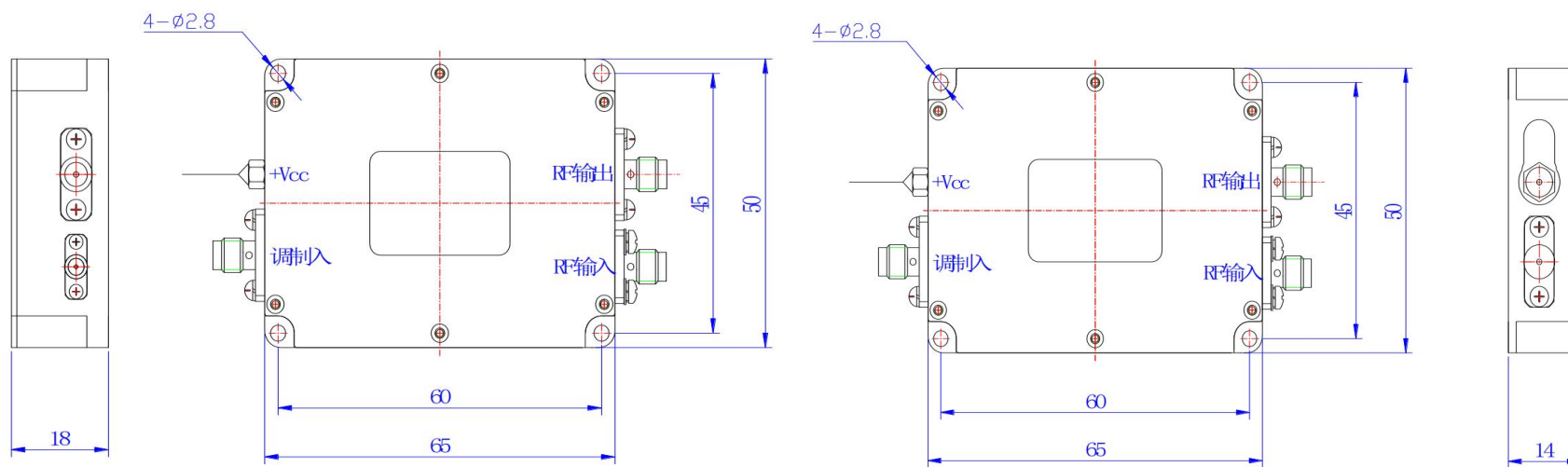


Low-power N-type acousto-optic driver

<p>Product Overview:</p>	<p>Product overview: acousto-optic driver is a RF driver that provides supporting functions for acousto-optic device products. It is applicable to acousto-optic 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 acousto-optic 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.</p>			
<p>Performance characteristics:</p>	<ul style="list-style-type: none"> ● Small size ● Fast response time ● Low power consumption ● High temperature stability and reliability 			
<p>Supporting drive</p>	-	<p>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.</p>		
		SGT100-33-N-1D	SGT200-33-N-1D	SGT300-33-N-1D
		SGT100-33-N-1A1	SGT200-33-N-1A1	SGT300-33-N-1A1
		SGT100-33-N-1A5	SGT200-33-N-1A5	SGT300-33-N-1A5
<p>This indicator is a typical frequency indicator, and other frequencies can be selected.</p>				
<p>Specifications of modulation input interface</p>				
<p>Modulated signal input</p>	-	<p>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)</p>		
<p>Interface</p>	-	<p>SMA</p>		

RF output interface specification				
Output signal frequency	MHz	100	200	300
Frequency stability	ppm	100 (1 Special)		
Rise and fall time	ns	<25	<10	<7
Output signal power	W	<2		
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±0.5)		
Power interface		Through core capacitance (core wire is connected to positive, solder lug is connected to negative)		
Package	-	N/N2		



Package N

Package N2