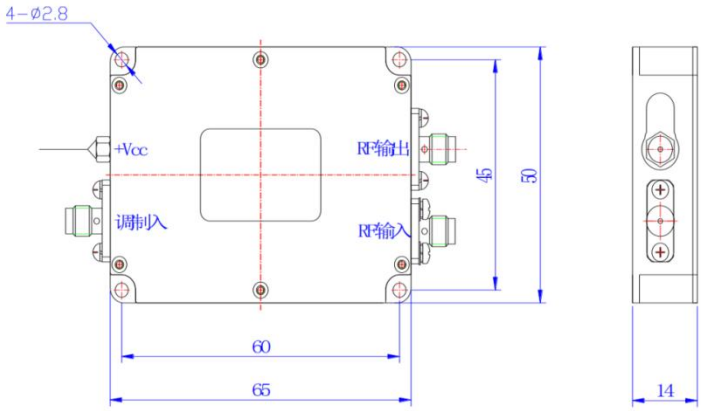
Bandwidth radio frequency amplifier

Product Overview：	Product overview: N2 series fixed-gain RF amplifiers have the characteristics of fast modulation speed, high switching ratio, broadband and low power consumption. It is applicable to acoustooptic modulator and frequency shifter products with driving power less than 3W. 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 (SGXX/XX-33-N2-ab-Y) "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; "Y" for the external radio frequency input.		
		SGT70/90-33-N2-1D-Y SGT70/90-33-N2-1A1-Y SGT70/90-33-N2-1A5-Y	SGT100/120-33-N2-1D-Y SGT100/120-33-N2-1A1-Y SGT100/120-33-N2-1A5-Y	SGT230/270-33-N2-1D-Y SGT230/270-33-N2-1A1-Y SGT230/270-33-N2-1A5-Y
		This indicator is a typical frequency range indicator, and other frequency ranges can be selected.		
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 range	MHz	70-90	100-120	230-270
Maximum input power	dBm	+1		
Rise and fall time	ns	<20	<20	<8
Output signal power	W	＜2		
Switching ratio	dB	≥60		
Harmonic suppression ratio	dBc	>20		
Signal output standing wave ratio	-	≤1.3		
Interface	-	SMA		
Complete machine specification				
Gain	dB	30±1		
Gain flatness	dB	±1		
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	-	N2		



Package N2