

## **Low Power N Acousto-optic Driver**

**Introduction:** Acousto-optic Driver is a RF driver to match the acousto-optic device products, the power < 3W, Supplying for the acousto-optic modulator and frequency shifter products. The RF signal generated by the driver is used to generate ultrasonic waves within the crystal of the acousto-optic device. The frequency and intensity of the applied RF signal will determine the extent to which the beam is modulated, deflected, or tuned. The drive has good heat

**Key features:** Fast response time. Small volume. Low power consumption. High temperature reliability and stability. High on-off ration

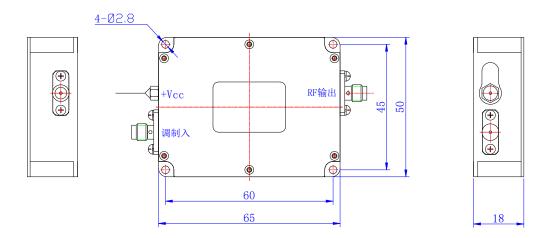
dissipation, and use the matching drive for better temperature stability.

## **General Specifications:**

Parameters	Unit	Type ( SGX XX-XXX-N-abc)  "X" - represents for function, "T" - represents for modulate function,  "Y" - represents for frequency shift function. "XX" - represents for RF output frequency; "XXX" -represents for RF power; "a" -"1"  represents for 24V power supplies, "2" represents for 12V power  supplies, "b": "D" - represents for digital modulate, "A" - represents  for analog modulate; "c" -"1" represents for 0-1V analog modulate,  "5" represents for 0-5V analog modulate.  SGT200-32-N-1D
Working Frequency	MHz	200
Frequency Stability	ppm	1
RF Power	dBm	32
On-off Ratio	dB	60
Rise Time	ns	10
Fall Time	ns	10
Harmonic suppression ratio	dB	>25
Max power consumption	W	10
Typical power consumption	W	1.0@200ns/100kHz
Supply Voltage	Vdc	24
Modulation	-	ΤΤL
RF Output Connector	-	SMA
Modulation Input Connector	-	SMA
Package Specification	-	N



## **Outline Drawings:**





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