

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



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

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.
		SGT100-33-N-1D
Working Frequency	MHz	100
Frequency Stability	ppm	1
RF Power	dBm	33
On-off Ratio	dB	60
Rise Time	ns	20
Fall Time	ns	20
Harmonic suppression ratio	dB	>25
Max power consumption	W	10
Typical power consumption	W	1.0@200ns/100kHz
Supply Voltage	Vdc	24
Modulation	-	TTL
RF Output Connector	-	SMA
Modulation Input Connector	-	SMA
Package Specification	-	N

Outline Drawings:

