

BUY NOW 

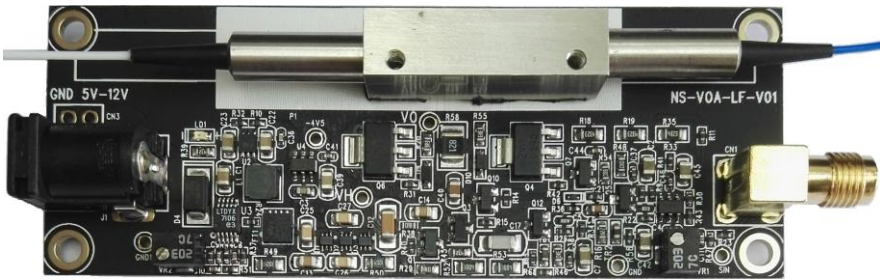
DC-20KHz Driver for NanoSpeed™ VOA

(patents pending)

Product Description

The NS VOA Driver provides driving signals for the NS series solid state VOAs. The push-pull output design ensures fast switching time for both rising and falling edges, and it is especially suitable for driving capacitive VOA loads.

The standard driver controls one individual VOA. Drivers that control multiple VOAs also are available, please call Sales at (781) 935-1200 for more information.



Features

- High Speed
- High Output Voltage
- Wide Input Voltage Range
- TTL/CMOS/Other Control
- Push-Pull Output Design
- Low Power Consumption

Performance Specifications

| Specs | Min | Typical | Max | Unit |
|---------------------------|----------------|---------|-----|------|
| Rising Speed (Sr) [1] | 450 | 600 | 750 | ns |
| Falling Speed (Sf) [2] | 450 | 600 | 750 | ns |
| Repetition Rate | DC | | 20 | KHz |
| Pulse Width [3] | 1.0 | | | us |
| Input Control Voltage [4] | 0 | 4.5 | 5 | V |
| Power Consumption [5] | | | 1.3 | W |
| Power Supply | 5 | | 12 | V |
| Operating Temperature | -5 | | 70 | °C |
| Storage Temperature | -40 | | 80 | °C |
| Electrical Connector | SMA | | | |
| Board Size | 3.5(L)x1.25(W) | | | Inch |

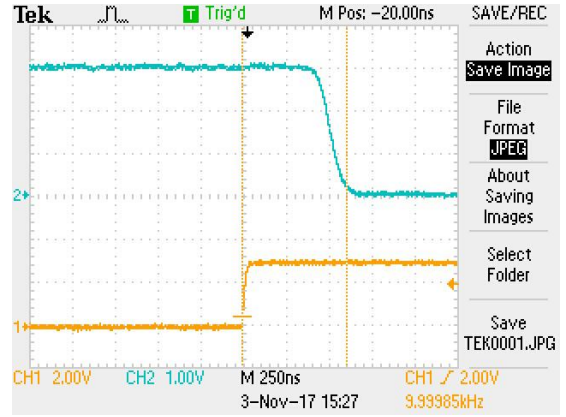
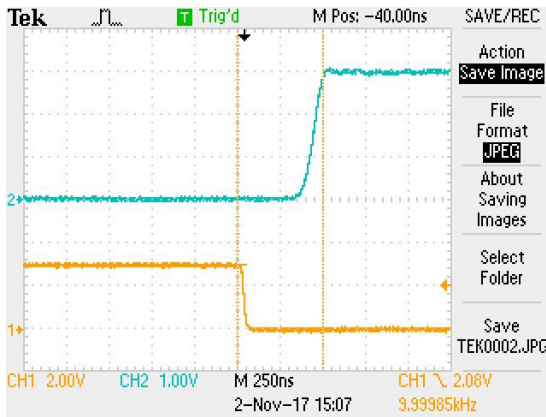
Note:
 [1]: Duration from begin of electronic signal to end of optic intensity change
 [2]: Duration from begin of electronic signal to end of optic intensity change
 [3]: Pulse working mode
 [4]: For full attenuation. Low voltage version is available, see the order information.
 [5]: Dependent on repetition frequency, measured at 20kHz

Applications

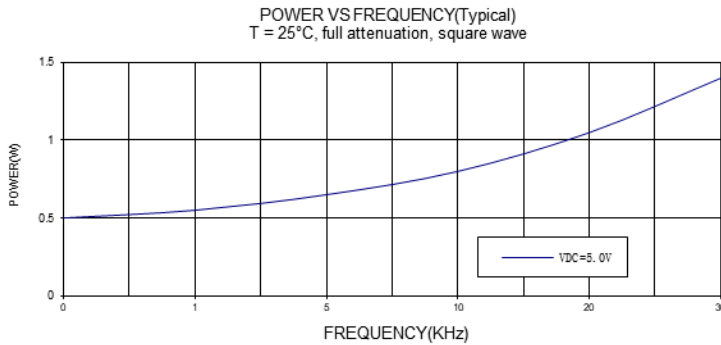
- Optical VOA
- Optical Switch
- Optical Modulator

DC-20KHz Driver for NanoSpeed™ VOA

Electric-Optic Switching Response



Power Consumption



Ordering Information

| Prefix | Type | Repetition | Size | Input control voltage | # of VOA | Connector |
|--------|------|-------------------------|-----------------------------|--------------------------------------|------------------------------|--------------------|
| NVDR- | | DC-20KHz=3 Special=0 | 3.5"×1.25" = 3 Special=0 | 3.3V version = 3 5.0V version = 5 | Single VOA =11 Special=00 | SMA=2 Special=0 |

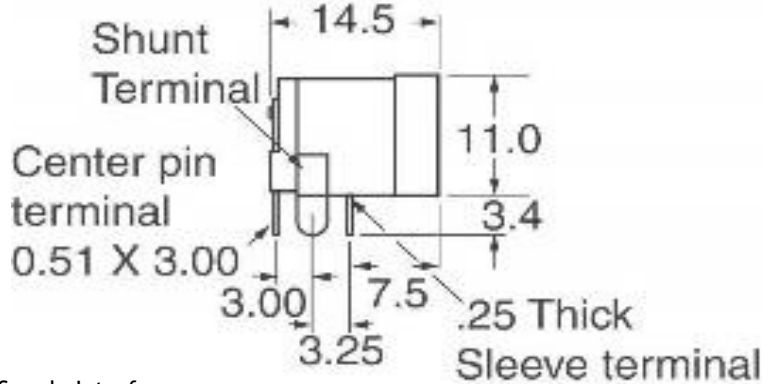
*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

DC-20KHz Driver for NanoSpeed™ VOA

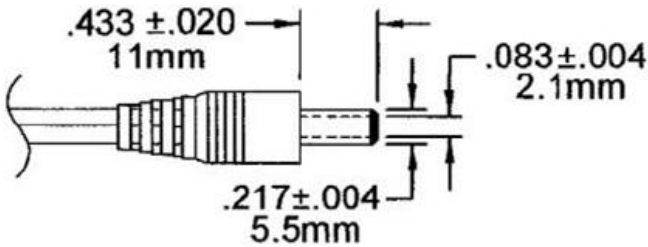
Power Connector

P/N: [SC1313-ND](#)

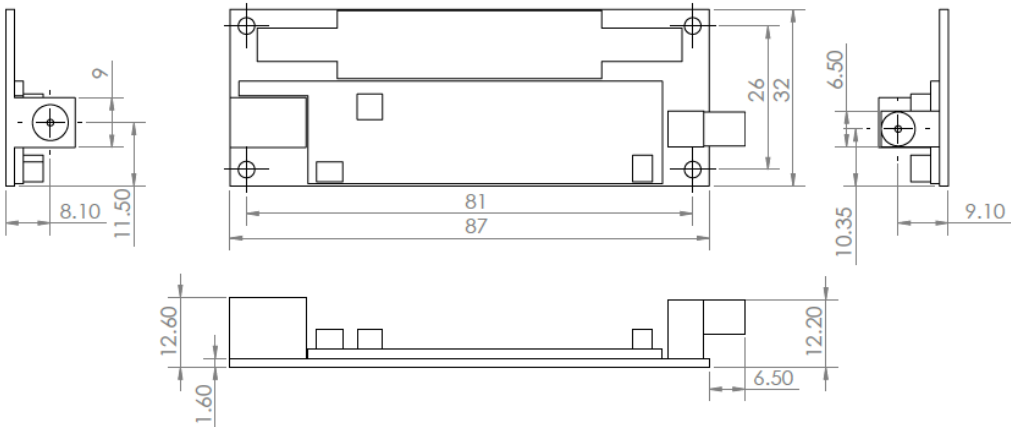
Power Barrel Connector Jack 2.00mm ID (0.079"),
5.50mm OD (0.217") Through Hole, Right Angle



12V Wall Plug DC Power Supply Interface



Product Dimensions



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

DC-20KHz Driver for NanoSpeed™ VOA

Typical Operation Instructions

1. Connect a control signal to the SMA connector on the PCB
2. Attach the accompanied power supply (typically a wall-pluggable unit).
3. The device should then function properly.

Note: Do not alter device factory settings.