



## HD33551

- Operation Frequency: 20-100 MHz
- RF Power Handling: 1000W CW into 3:1 load VSWR at all phase angles, 6:1 load VSWR at all phase angles for 10 msec.
- Insertion Loss: 0.5 dB max., 0.20 dB typical.
- Isolation: 60dB min. @ all ports.
- Impedance: 50 Ohms nominal.
- VSWR: 1.5:1 max., 1.25:1 typical at all ports.
- Switching Speed: 5 microseconds max.
- Switching Rate: 20 Khz max.
- Max Video Leakage: In band: 0.5V, total: 3.5V.
- Video Leakage Duration: 250 nSec. max.
- Control Logic: Balanced differential TTL line. Impedance: 100 ohms
- Connectors: N Female for XMIT and Common ports. SMA female for RCVR port. 9-pin D-Sub for DC power line and control logic. (If SC-female must be chosen, please advise)
- Power Supply: 28V @700mA. max., 600mA typical (high voltage DC-DC converter is included, higher switching rate will cause current increased)
- Operation Temperature: -20 °C to +70 °C
- Non-Operation Temperature: -40 °C to +80 °C
- Size: 4.5" x 4.0" x 2.3" max.
- The unit incorporated protection against lightning and high voltage spikes. The common port is DC grounded. There is built-in video filter at receiver port to minimize the video leakage.

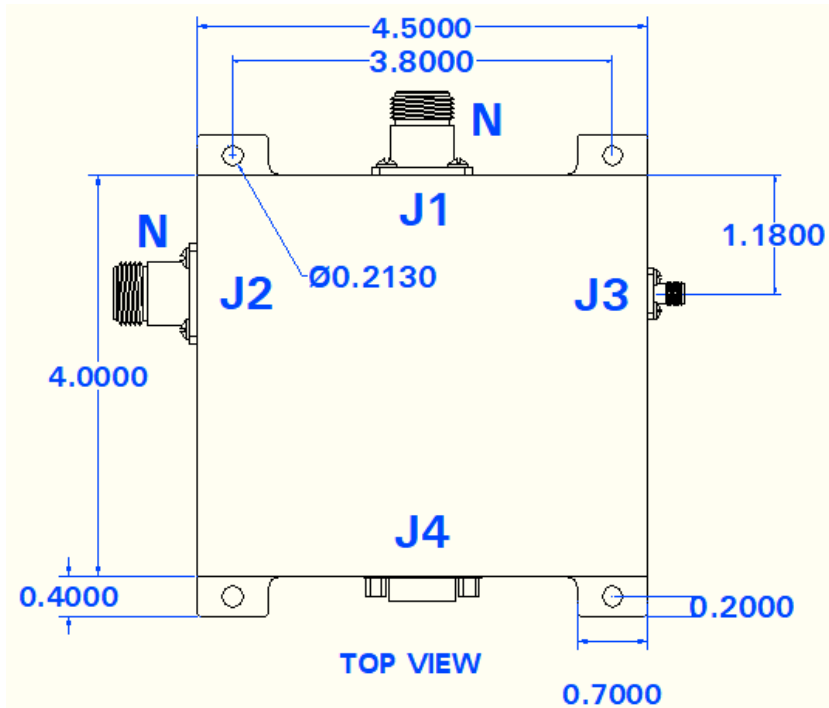


Fig. 1. 20-100 MHz 1000W CW PIN T/R Switch Mechanical Dimension, top view.

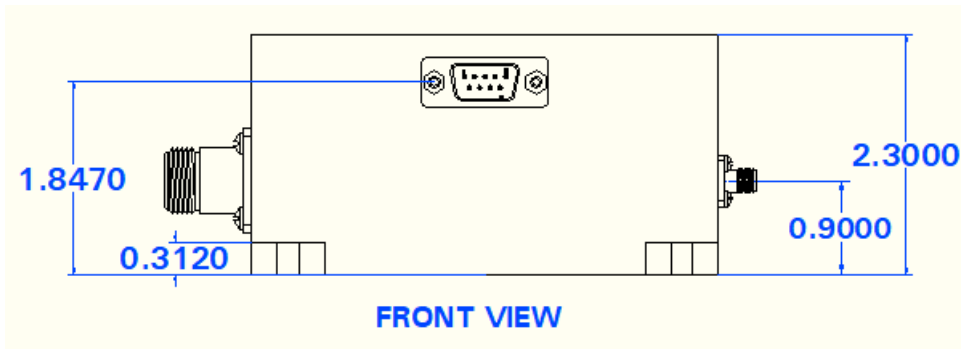


Fig. 2. 20-100 MHz 1000W CW PIN T/R Switch Mechanical Dimension, front view.

NOTE: N-female connectors are recommended for RF and common ports, if SC-female connectors are desired, please advise.