



HD33550

- Operation Frequency: 500-1200 MHz
- Pulse Width: Up to CW
- 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.
- Isolation: 30dB min. @ transmitter path for ≤ 1 GHz, 20dB min. at 1.2 GHz (30 dB min. design goal).
50dB min., 60dB typical @receiver path.
- Impedance: 50 Ohms nominal.
- VSWR: 1.5:1 max., 1.25:1 typical.
- Switching Speed: 3.0 microseconds max., < 1 microsecond typical.
- Switching Rate: 5Khz max
- Control Logic: Balanced differential TTL line. Impedance: 100 ohms
- Connectors: N females for XMIT and Common ports. SMA female for RCVR port. 9-pin D-Sub for DC power line and control logic.

Power Supply: 24~28VDC @800mA max., 700mA typical. (built-in high voltage DC power supply)

- Operation Temperature: -20 °C to +70 °C
- Non-Operation Temperature: -40 °C to +80 °C
- Size: 4.5" x 4.0" x 2.3" approx.
- 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.

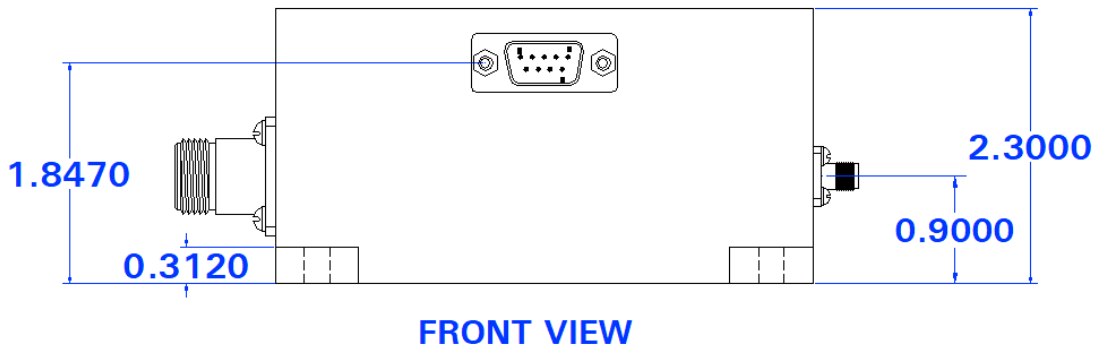
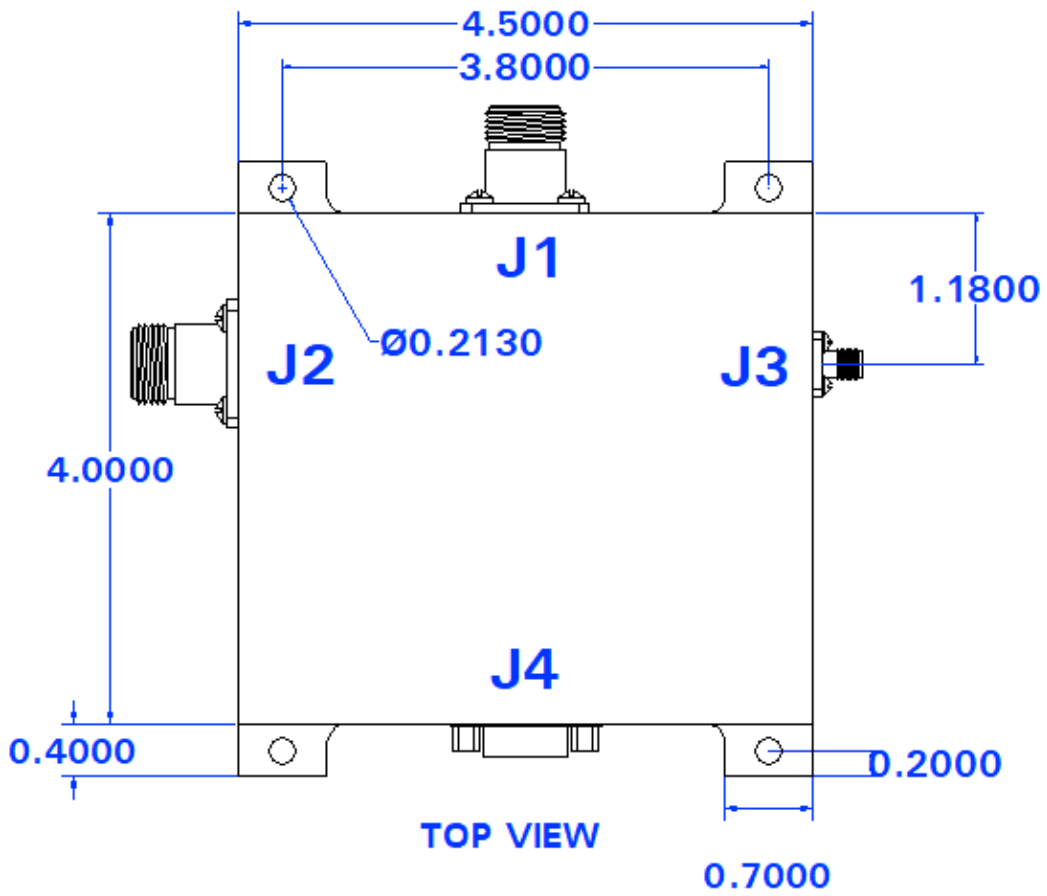


Fig. 500MHz to 1200MHz 1000W T/R Switch Mechanical Dimension