



## HD33554

- Operation Frequency: 20-520 MHz
- RF Power Handling: 1000W CW into 2:1 load VSWR at all phase angles.
- Insertion Loss: 0.6 dB max. at 20MHz, 0.35 dB typical across the band.
- Isolation: 40dB min. at XMIT path, 60dB min. at RCVR path.
- Impedance: 50 Ohms nominal.
- VSWR: 1.5:1 max at 20MHz, 1.25:1 typical across the band.
- Switching Speed: 10 microseconds max., 5 us typical.
- Switching Rate: 2 KHz 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 type for DC power line and control logic.
- Power Supply: 28V @800mA max. (built-in high voltage converter)
- Operation Temperature: 0 °C to +70 °C
- Non-Operation Temperature: -40 °C to +80 °C
- Size: 4.5" x 4.0" x 2.3"
- The unit incorporated protection against lightning and high voltage spikes. The common port is DC grounded.

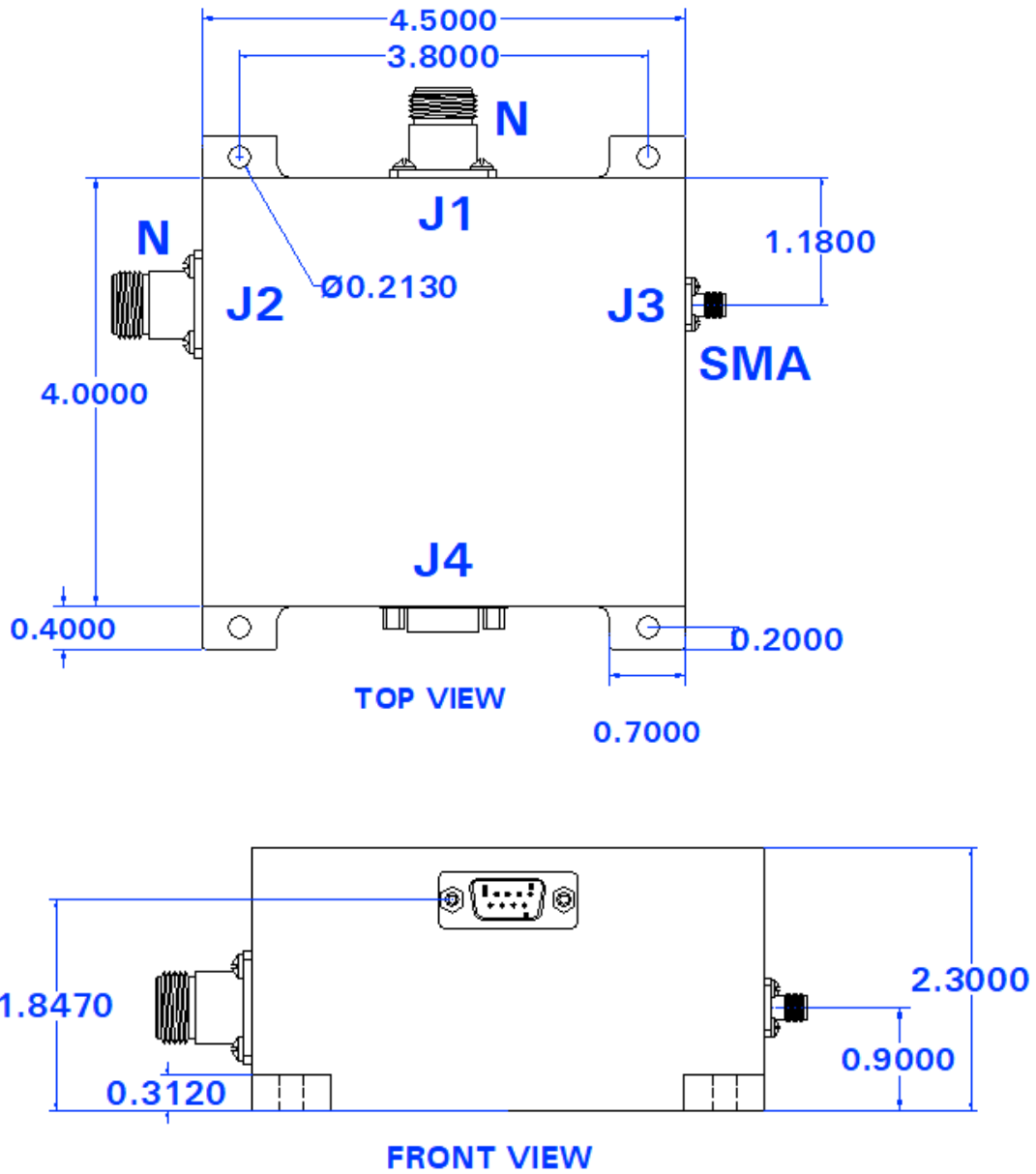


Fig. 1. Mechanical Dimension of 20-520 MHz T/R PIN Diode Switch.