HD Communications Corp.

HD33552

- Operation Frequency: 500-1000 Mhz
- Pulse Width: Up to CW
- RF Power Handling: 1500W 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., 40dB typical @ transmitter path.
  (If 50dB isolation for XMIT path is required, it will need one extra diode and will increase the insertion loss).
  50dB min., 60dB typical @receiver path.
- Impedance: 50 Ohms nominal.
- VSWR: 1.5:1 max., 1.25:1 typical.
- Switching Speed: 5.0 microseconds max., 1 microsecond typical.
- Switching Rate: 10Khz max
- Max Video Leakage at Receiver Path: In Band : 0.5V, Total: 3.5V
- Video Leakage Duration: 250 nSec.
- 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. (N-female is recommended, if SC-female must be chosen, please advise)
- Power Supply: 24~28VDC @750mA max. (eliminate +12V and -375V, negative high voltage power supply is included)
- Operation Temperature: -2 0 ℃ to +70 ℃
- Non-Operation Temperature: -40 ℃ to +80 ℃
- Size: 4.5” x 4.0” x 2.3” approx.

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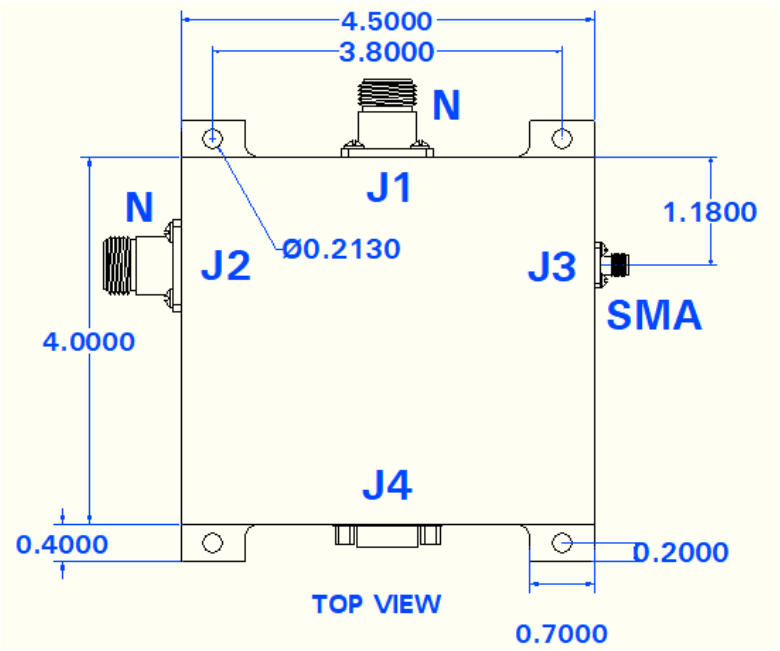

Fig. 1. 500-1000 MHZ 1500W CW PIN T/R Switch mechanical dimension, top view.

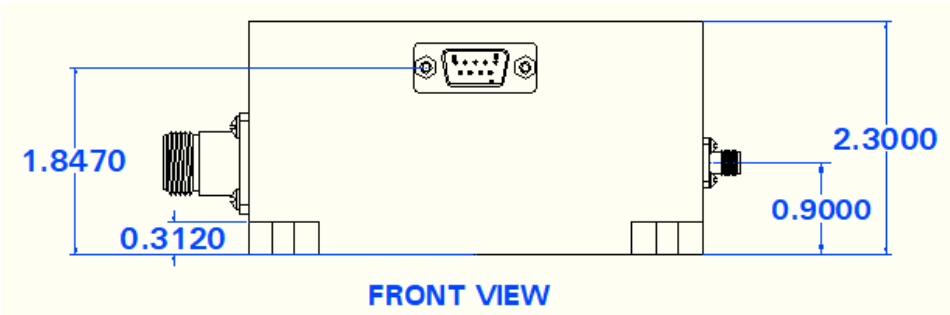

Fig. 2. 500-1000 MHZ 1500W CW PIN T/R Switch mechanical dimension, front view.

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

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