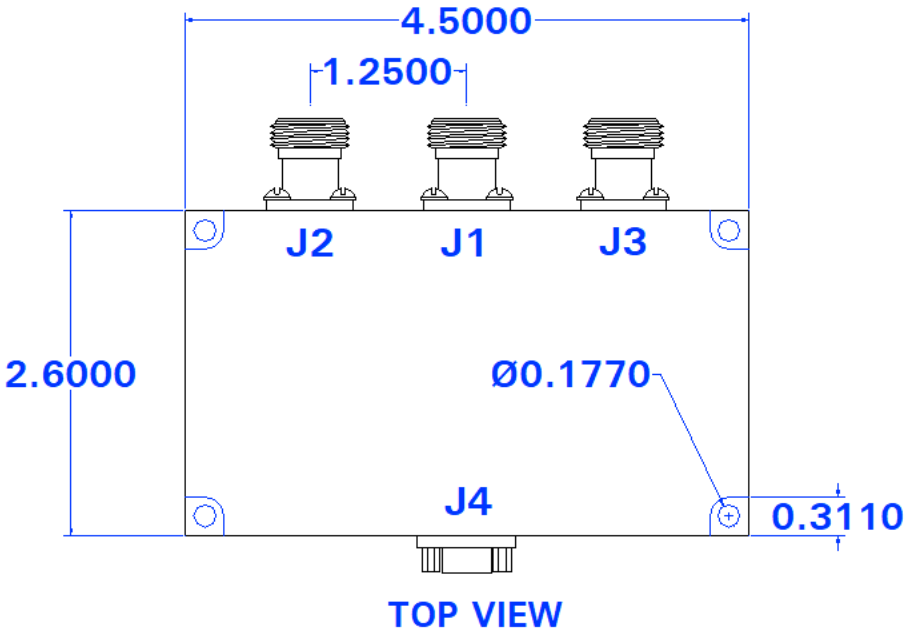
HD33401-4.5KWA

- Operation Frequency: 1000-1120 MHz
- RF Power Handling: 4.5KW pulse into 3:1 load VSWR at all phase angles.
  Pulse width: 32 µS, Duty cycle: 2%
- Insertion Loss: 0.5 dB max., 0.30 dB typical.
- Isolation: 40dB min., 50 dB typical at all ports.
- Impedance: 50 Ohms nominal.
- VSWR: 1.25:1 max.
- Switching Speed: 2 microseconds max., 0.5µS typical.
- Switching Rate: 5Khz max.
- Control Logic: TTL line.
- Connectors: N females for RF ports, 9-pin micro-D Sub for DC power line and control logic.
- Power Supply: +12V @1.4A max. (built-in high voltage power supply)
  +5V @0.4A
- Operation Temperature: -40 ℃ to +85 ℃
- Size: 4.5” x 2.6” x 0.83”



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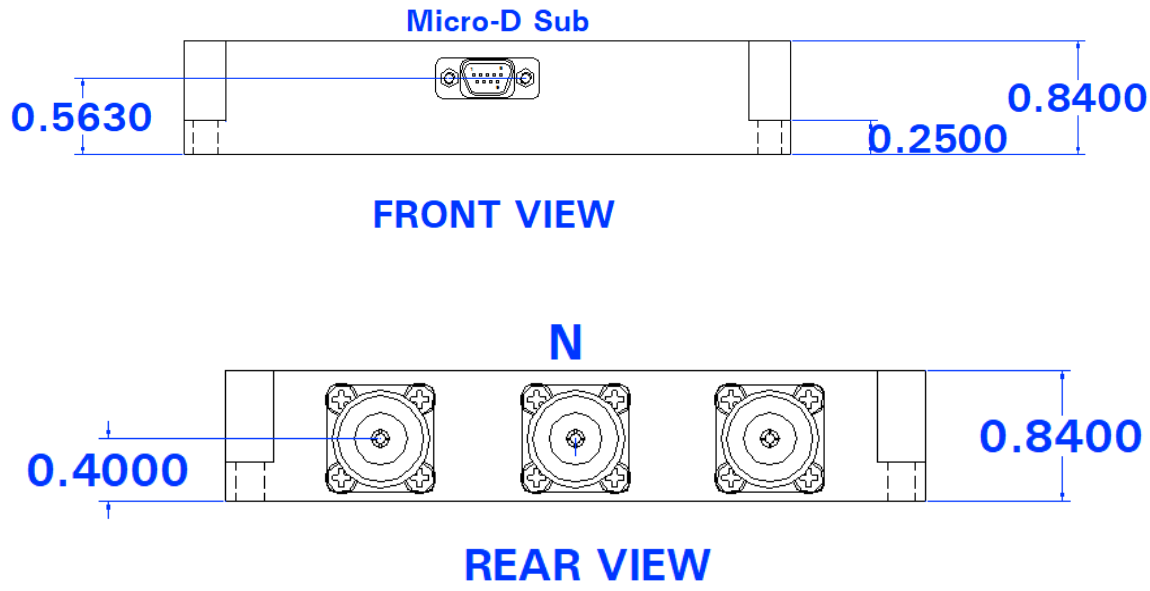

Fig. 1. Final Dimension of the SP2T Switch.

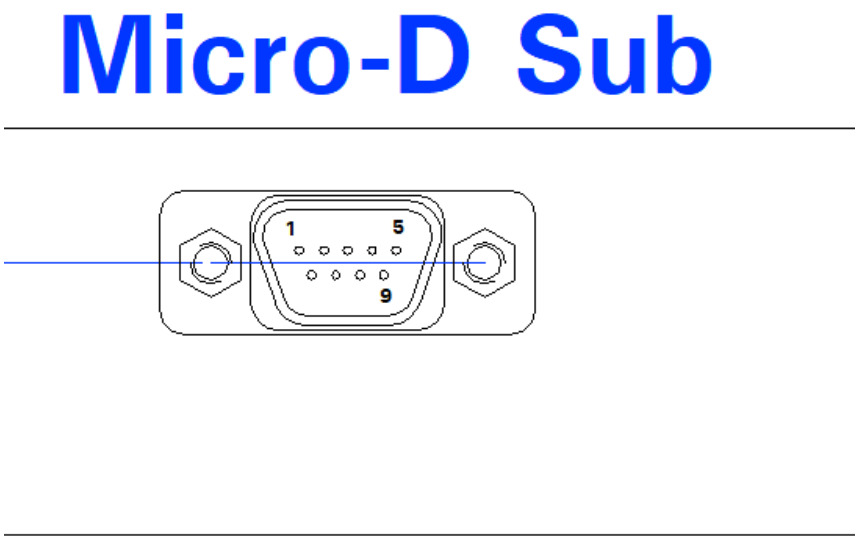

Fig. 2. Micro-D Socket and Pin numbers on SP2T Switch.

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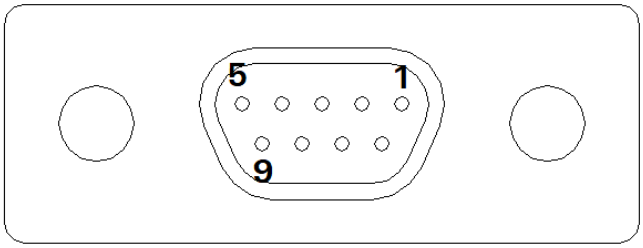
Cinch: DCCM9PSBN
Mico-D Plug connector



Customer needs this Micro-D Plug connector (front view), make sure pin numbers sequence, soldering cups are at the rear side.

Fig. 3. Micro-D plug and Pin numbers.

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J4 Pin Assignment, Function, and Characteristic

Pin No.	Function	Characteristics
1	TTL input	To PIN driver control input Transmit Mode: TTL= high, J1 to J2 = low loss path J1 to J3 = high isolation TTL= low, J1 to J3 = low loss path J1 to J2 = high isolation
2	Spare	
3	Monitor Output (M)	M = TTL high, J1 to J2 path is on (low loss) M = TTL low, J1 to J3 path is on (low loss)
4	Spare	
5	**+12 V DC @0.4A typical @ 5KHz switching rate.**	
6	Ground	
7	Ground	
8	Spare	
9	Spare	

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