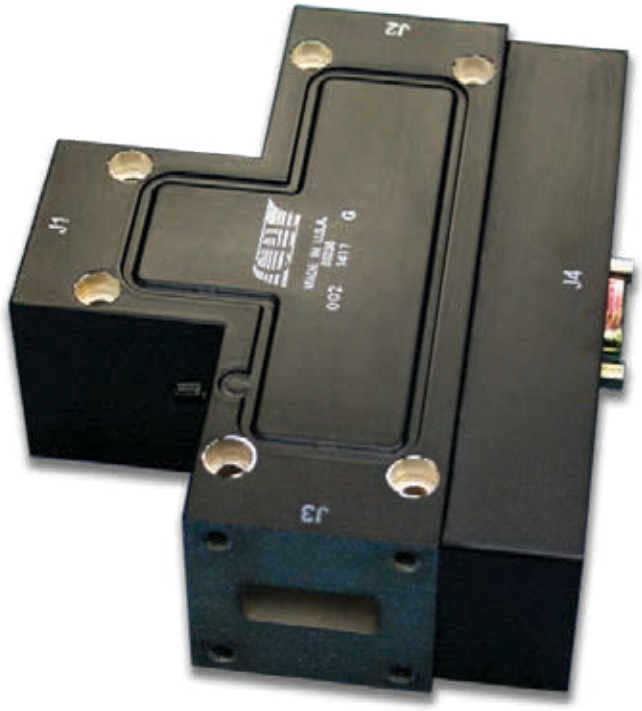
X-Band 3000 W SPDT Switch

BLP2084

Communications & Power Industries Switch



With a history of producing high quality products, we can help your with switch.

Contact us at BMDMarketing@cpii.com or at call us at +1 978-922-6000.

FEATURES:

- Wide pulse, high duty operation
- Harmonic rejection
- Phase matched channels
- Cold switched

BENEFITS:

- World's largest manufacturer of high power receiver protector and switch products
- State of the art facility with high level of vertical integration
- Extensive high power test capability
- In-house environmental test facility
- Computer modeling and automatic test capabilities

APPLICATIONS:

- Military radar systems
- Commercial radar systems
- Military communications
- Electronic warfare systems

CPI Communications & Power Industries

www.cpii.com/bmd

CPI X-Band 3000 W SPDT Switch: BLP2084

Mechanical and Environmental Specifications

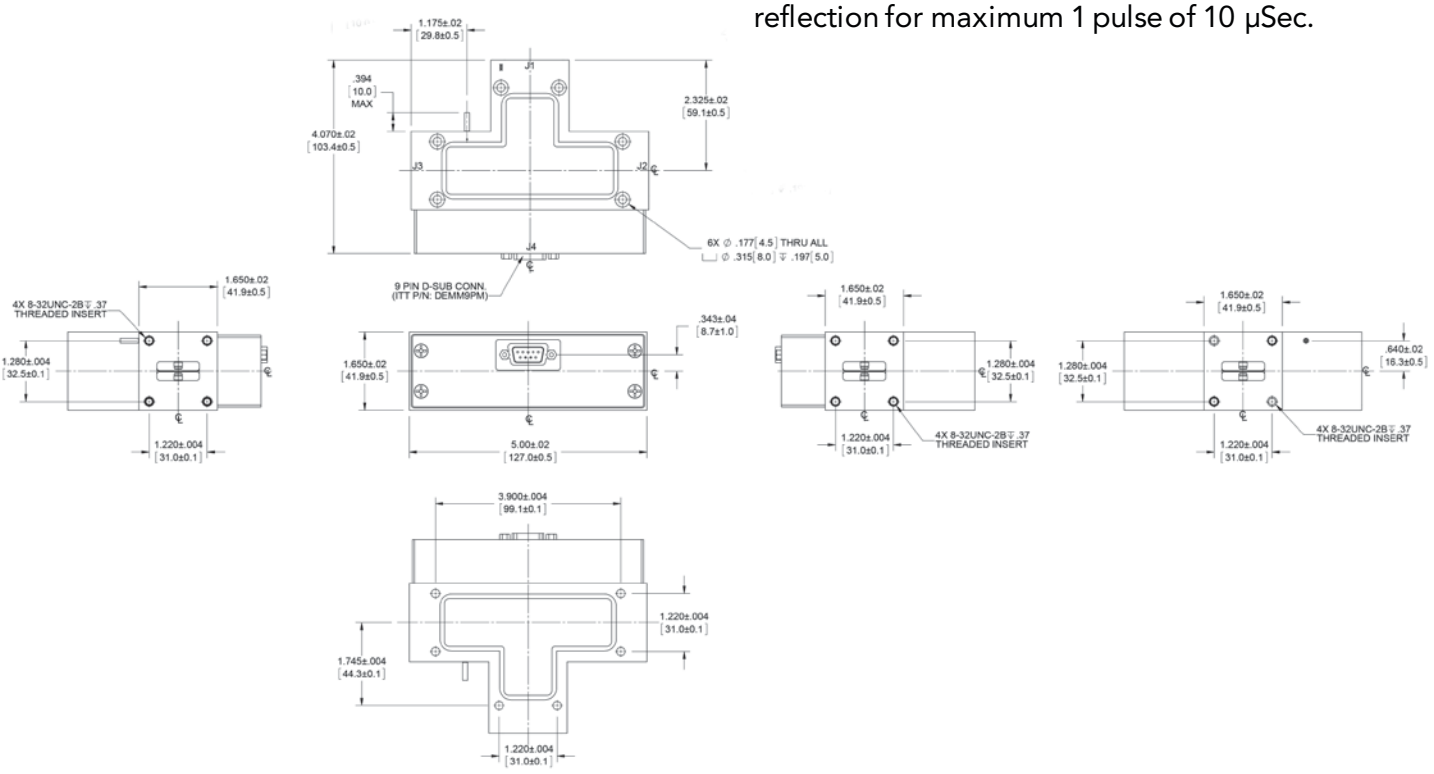
RF input and output	WR90
Bias supplies	+5 VDC @ 100 mA max +15 VDC @ 600 mA max -100 VDC @ 75 mA max
Power & control connector	9-pin D type
Control logic	Differential TTL, RS422
Dimensions	See outline drawing
Operating temperature	-40° to +55° C
Internal WG pressurizations	30 PSIG min.
Humidity	95% max

See product specification for other details

Electrical Specifications

Operating frequency	9.2 – 9.8 GHz
Maximum power	3000 W peak
Maximum pulse width	40 µSec
Maximum duty cycle	10%
Maximum insertion loss	1.0 dB
Minimum return loss	15 dB
Minimum channel – channel phase difference	30 degrees
Minimum switched isolation	40 dB
Maximum switching speed	30 µSec
Maximum switching rate	3 kHz
Maximum harmonic rejection	50 dBc

Note: Unit will operate at 3 kW into a 1.5:1 max load VSWR under normal conditions. Will survive a full reflection for maximum 1 pulse of 10 µSec.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.