

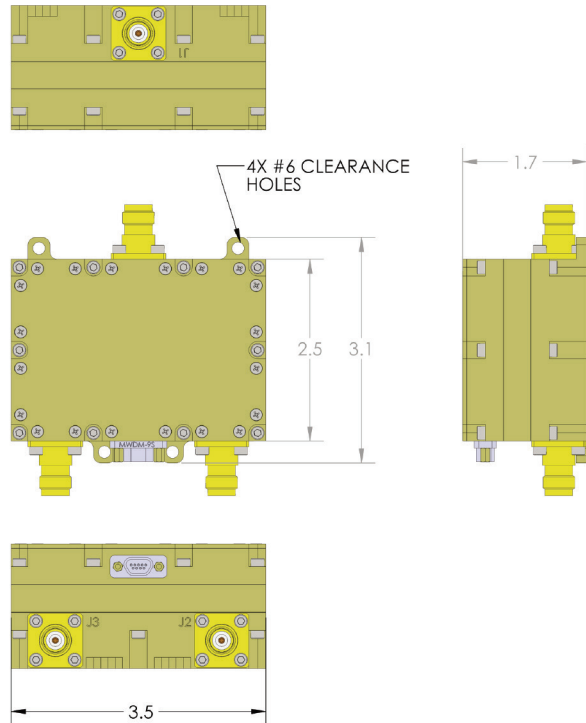
High Power SPDT Switch



High Power Symmetrical SPDT RF Switch SSHPS 0.96-1.22-4000

This high power RF switch is employed in communications where high power, low loss and excellent isolation are required. Peak power is 4kW maximum. This unit operates across the 960-1220 MHz range. Peak power is 4kW maximum. This switch operates from +28Vdc supply with 485mA maximum current draw. See SCD 70217 for all operating parameters. Unit operates from -40°C to +70°C up to 15,000 feet altitude. This switch meets the conditions specified in MIL-STD-202G, Method 213, Test Condition J (30G, 11mS, 18 Shocks - 3 in each of 6 axes). This unit meets the conditions specified in MIL-STD-202G, Method 214A, Test Condition 1 and C.

- 4000 Watt Pulsed Switch
- 960 to 1220 MHz minimum Operation
- 50 dB typical Isolation
- 2 uSec maximum Switching Speed
- Operates from a +28 Vdc supply @ 485 mA maximum



Parameter	Frequency (MHz)	Min.	Typ.	Max	Units
Insertion Loss	960		0.34	0.45	dB
	1090		0.36	0.45	
	1220		0.42	0.45	
Isolation	960-1220	47	60		dB
Return Loss	960	18	18.1		dB
	1090		20.5		
	1220		19.1		
Switching Speed (50% CTL to within .1dB of insertion loss)	960-1220		1.5	2.0	uS
Power Handling, CW (All VSWR Conditions)	960-1220			400	W Avg.
Power Handling, Pulsed (All VSWR Conditions) (≤80us Pulse Width, ≤10% Duty Cycle)	960-1220			4.0	kW Pk.
Supply Current	960-1220		230	485	mA

Test Conditions - Ta = +25°C, Supply Voltage = +28Vdc

Aethercomm Inc. reserves the right to make changes without further notice. Aethercomm recommends that before these items herein are specified into a system or critical application that the performance characteristics be verified by contacting the factory.

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