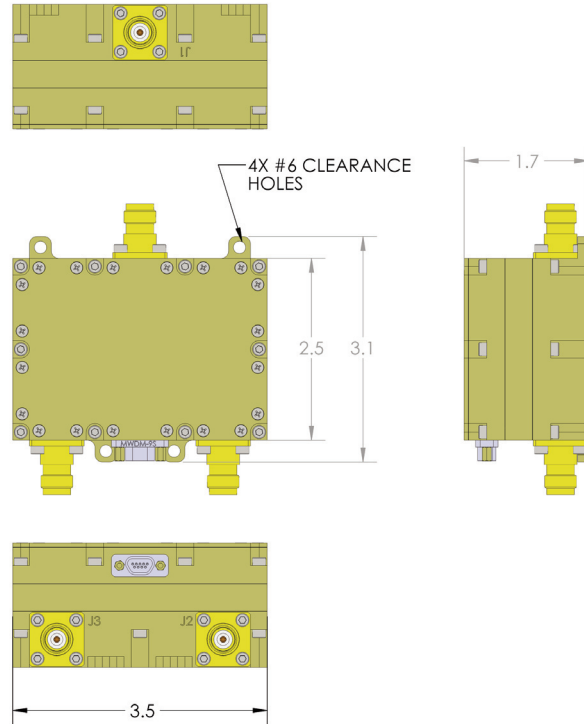




High Power Symmetrical SPDT RF Switch SSHPS 1.00-2.50-200

This high power RF switch is employed in communication and Electronic Warfare (EW) systems where high power, low loss and excellent isolation are required. Peak power out is 1.0kW maximum. This switch operates from +28Vdc supply with 750mA maximum current draw. See SCD 70220 for all operating parameters. Unit operates from -30C to +70C 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.

- 200 Watt CW Switch
- 1000-2500 MHz minimum Operation
- 48 dB typical Isolation
- 2 uSec maximum Switching Speed
- Operates from a +28 Vdc supply @ 750 mA maximum



Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Insertion Loss	1000		0.75	0.9	dB
	1500		0.65	0.9	
	2000		0.7	0.9	
	2500		0.8	0.9	
Isolation	1000-2500	42	48		dB
Return Loss	1000-2500	10.0	13.0		dB
Switching Speed <i>t_{ON}, t_{OFF} (50% CTL to within .1dB of insertion loss)</i>	20-1000		1.5	2	uS
Power Handling, CW (All VSWR Conditions)	20-1000		200	200	W Avg.
Power Handling, Pulsed (All VSWR Conditions) <i>(≤80us Pulse Width, ≤10% Duty Cycle)</i>	20-1000			1	kW Pk.
Supply Current	20-1000		650	750	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.