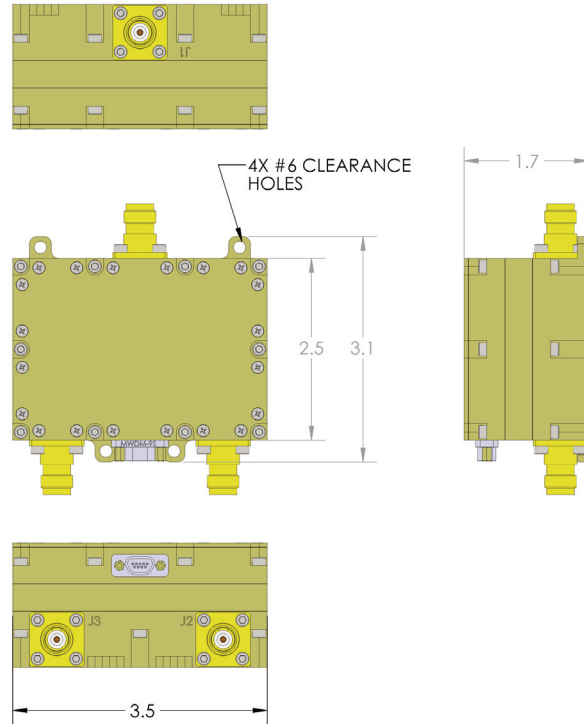




High Power Symmetrical SPDT RF Switch SSHPS 0.020-1.000-200

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 1.5kW maximum. This switch operates from +28Vdc supply with 500mA maximum current draw. See SCD 70214 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
- 20 to 1000 MHz minimum Operation
- 28 dB typical Isolation
- 8 uSec maximum Switching Speed
- Operates from a +28 Vdc supply @ 500 mA maximum



Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Insertion Loss	20		0.7	0.85	dB
	100		0.65	0.85	
	250		0.5	0.85	
	500		0.5	0.85	
	1000		0.75	0.85	
Isolation	20-1000	25	28		dB
Return Loss	100-250	12	13.5		dB
	250-500	17	19.0		
	500-1000	15	17.5		
Switching Speed <i>t_{ON}, t_{OFF} (50% CTL to within .1dB of insertion loss)</i>	20-1000		6.5	8	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			1.5	kW Pk.
Supply Current	20-1000		450	500	mA
<i>Test Conditions - Ta = +25°C, Supply Voltage = +28Vdc</i>					

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.