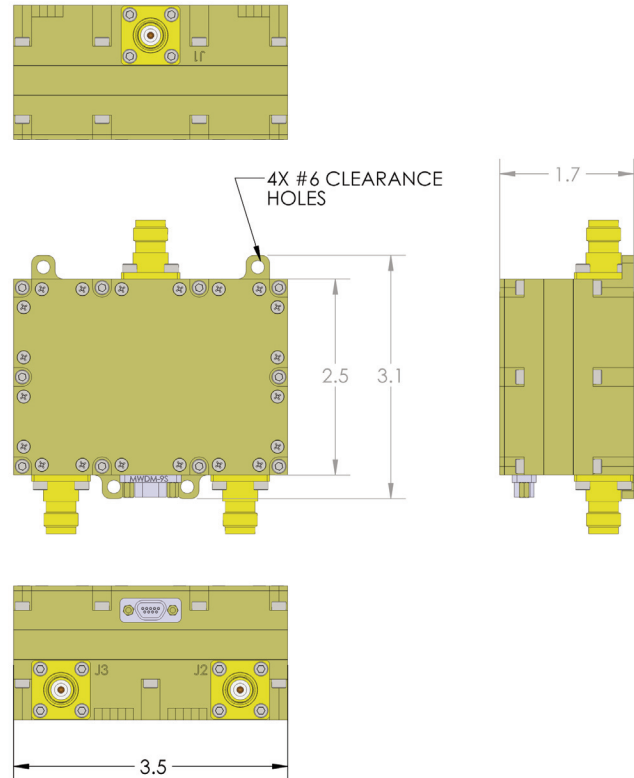




## High Power SPDT Symmetrical RF Switch SSHPS 0.225-0.450-400

This high power SPDT Symmetrical RF switch is employed in communications where high power, low loss and excellent isolation are required. This unit operates across the military UHF communication range. CW power is 400 watts maximum. This switch operates from +28Vdc supply with 500 mA typical current draw. See SCD 70213 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.

- 400 Watt CW switch
- 225 to 450 MHz minimum operation
- 60 dB typical isolation
- 2.5 uSec maximum switching speed
- Operates from a +28 Vdc supply @ 600 mA maximum



Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Insertion Loss	225		0.23	0.35	dB
	300		0.18	0.35	
	375		0.25	0.35	
	450		0.28	0.35	
Isolation	225-450	52	60		dB
Return Loss	225	16.5	30		dB
	300	16.5	26		
	375	16.5	23		
	450	16.5	18		
Switching Speed <i>t<sub>ON</sub>, t<sub>OFF</sub> (50% CTL to within .1dB of insertion loss)</i>	225-450		1.7	2.5	uS
Power Handling, CW <i>All VSWR Conditions</i>	225-450			400	W Avg.
Power Handling, Pulsed <i>(≤80us Pulse Width, ≤10% Duty Cycle) All VSWR Conditions</i>	225-450			1.6	KW Pk.
Supply Current	225-450		500	600	mA

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.