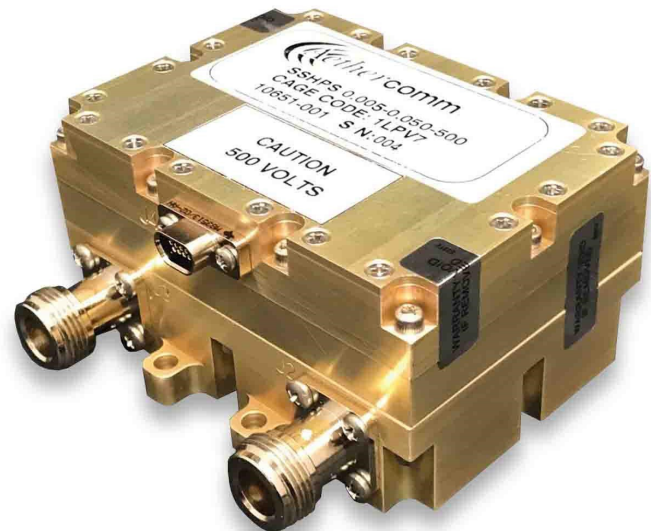


## High Power, Symmetrical SPDT RF Switch

SSHPS 0.005-0.050-500

This high power RF switch, SSHPS 0.005-0.050-500, is employed in communication and Electronic Warfare (EW) systems where high power, low loss and excellent isolation are required. Peak power out is 1.0 kW maximum. This switch operates from +28 Vdc supply with 550mA maximum current draw. See SCD 70313- 001 for all operating parameters. Unit operates from -40°C to +70°C up to 35,000 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. MIL-STD- 810F, Method 500.4, Low Pressure MIL-TL-5541, Class 3, Type 1, Color Yellow. MIL-STD-202G, Test Method Standard Electronic and Electrical Components.

- 500 Watt CW switch
- 5-50 MHz minimum operation
- 50 dB typical isolation
- 6-8 uSec maximum Switching Speed
- Operates from a +28 Vdc supply



This is an example of an Aethercomm standard product. Aethercomm designs and manufactures high performance, high power CW or pulsed SSPA's for commercial, military and satellite communications customer.

*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.*

Parameter	Frequency (MHz)	Min	Typ	Max	Units
Insertion Loss	5		0.10	0.44	
	15		0.12	0.44	
	30		0.12	0.44	
	50		0.17	0.44	
Isolation	5-50	45	50		dB
					dB
Return Loss	5	15.0	22.70		
	15	15.0	31.30		
	30	15.0	30.30		
	50	15.0	26.30		
Switching Speed	5-50		6	8	uSec
Power Handling, CW (All VSWR Conditions)	5-50			500	W Avg.
Power Handling, PW = 80µs, 10 % DC (All VSWR Conditions)	5-50			1.0	kWPK.
Supply Current	5-50		450	550	mA

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