

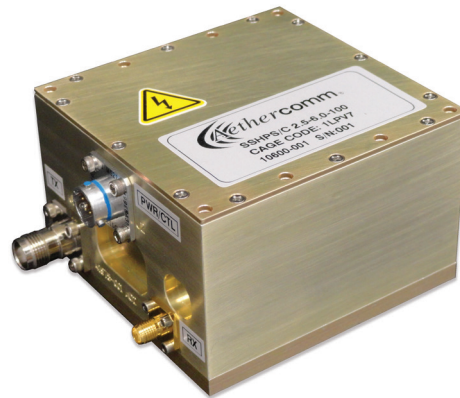
High Power SPDT Switch



High Power SPDT Symmetrical RF Switch SSHPS/C 2.5-6.0-100

This SSHPS/C 2.5-6.0-100 is a high power symmetrical SPDT RF switch which is employed in communication systems where high power, low loss and excellent isolation are required. This unit operates across the 2500-6000 MHz range. Peak power out is 1.6kW maximum. This switch operates from +28Vdc supply with 500mA maximum current draw. (Request SCD 70306 for all operating parameters). Unit operates from -40°C to +85°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 105C, Test Condition A.

- 150 Watt CW switch
- 2500 to 6000 MHz minimum operation
- 34 dB typical isolation
- 10.0 uSec maximum switching speed
- Operates from a +28 Vdc supply @ 500 mA maximum



Parameter	Frequency (MHz)	Min.	Typ.	Max	Units
Insertion Loss (TX to ANT ports)	2500		1.36	3.6	dB
	3000		1.95	3.6	
	4000		2.71	3.6	
	5000		2.35	3.6	
	6000		3.20	3.6	
Isolation (TX to RX ports)	100-500	31	34		dB
Return Loss (TX mode, TX in)	2500-3000	12.0	19.73		dB
	3001-4000	6.0	9.97		
	4001-6000	7.0	8.61		
Switching Speed 'ON', 'OFF' (50% CTL to within .1dB of insertion loss)	2500-6000		9.8	10.0	uS
Power Handling, CW All VSWR Condition	2500-6000		200	200	W Avg.
Fwd. Coupled	2500-6000	32.5	34.3	37.5	dB
Rev. Coupled	2500-6000	32.5	35.4	37.5	dB
Supply Current	2500-6000		200	500	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.

Aethercomm, Inc.

3205 Lionshead Ave., Carlsbad, CA 92010 | tel 760.208.6002 | fax 760.208.6059
web: www.aethercomm.com | email: sales@aethercomm.com