



PRODUCT SPECIFICATION  
MODEL NO. ES0101, SPDT

PS-ES0101 REV -

PARAMETER	VALUE	UNITS
<b>1.0 High Power Input Specifications</b>		
1.1 Frequency Range	5.3 TO 6.0	GHz
1.2 Power, Peak (Maximum)	7000	Watts
1.3 Power, Average (Maximum)	35	Watts
1.4 Duty (Maximum)	0.5	%
1.5 RF Pulse Width (Maximum)	1.0	usec.
1.6 Load VSWR (Maximum)	2.0:1	-
<b>2.0 Microwave Switch Specifications</b>		
2.1 Frequency Range	5.3 TO 6.0	GHz
2.2 Isolation (Minimum)	50	dB
2.3 Insertion Loss (Maximum)	1.0	dB
2.4 VSWR (Maximum)	1.5:1	-
2.5 RF Switching Speed (Maximum)	5.0	us
2.6 Control Rep Rate (Maximum)	1.28	KHz
<b>3.0 General Specifications</b>		
3.1 Connectors		
3.1.1 RF	N - F	-
3.1.2 Control	SMA-F	-
Bias	Filter EMI solder pin	-
3.2 Control		
3.2.1 Logic	TTL	-
3.2.2 Impedance	50	Ohms
3.2.2 State Table		
	<u>State</u> <u>RF Path</u>	
	1    J1 to J2	
	0    J1 to J3	
<b>3.3 DC Power Requirements</b>		
3.3.1 Positive supply voltage:	+5 +/- 2%	Vdc
3.3.2 Positive supply current:	750	mA
3.3.3 Negative supply voltage:	150 +/- 2%	Vdc
3.3.4 Negative supply current:	50	mA
<b>3.4 Environmental Requirements</b>		
3.4.1 Temperature		
3.4.1.1 Operating	-25 to +55	Degrees C
3.4.1.2 Storage	-35 to +85	Degrees C
3.4.2 Cooling:	Conduction cooling through surface of switch body	
3.4.3 Environment:	ground bases, climate controlled.	
3.6 Dimensions	Refer to outline drawing ES0101	