

MODEL NO. ES0309-20  
SPDT, 20 W CW

=====

PARAMETER	VALUE	UNITS
1.0 High Power Input Specifications		-
1.1 Frequency Range	0.1 to 1	GHz
1.2 Power, CW (Maximum)	20	Watts
2.0 Microwave Switch Specifications		-
2.1 Frequency Range	0.1 to 1	GHz
2.2 Isolation (Minimum)	50	dB
2.3 Insertion Loss (Maximum)	1.0	dB
2.4 VSWR (Maximum)	1.3:1	-
2.5 RF Switching Speed (Maximum)	250	ns
2.6 Control Switching Freq. (Maximum)	500	kHz
3.0 General Specifications		
3.1 Connectors		-
3.1.1 RF	SMA-F	
3.1.2 Bias/Control	Solder Pins	
3.2 Control		
3.2.1 Logic	TTL	-
3.2.2 State Table		
	<u>TTL CNTL</u> <u>RF Path</u>	
	“ 0 ”            J1 to J2	
	“ 1 ”            J1 to J3	
3.3 DC Power Requirements		
3.3.1 Positive Supply	+5 +/--2%	Vdc
3.3.2 Positive Supply Current (Max)	150	mA
3.3.3 Negative Supply Voltage	-28 +/--2%	Vdc
3.3.4 Negative Supply Current (Max)	80	mA
3.4 Environmental Requirements		
3.4.1 Temperature		
3.4.1.1 Operating	-55 to +85	Degrees C
3.4.1.2 Storage	-55 to +125	Degrees C
3.4.2 Cooling: Conduction cooling through surface of switch body		
3.5 Dimensions	Refer to outline drawing	

=====

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

=====



