



PRODUCT SPECIFICATION
MODEL NO. ES0100
SPDT SWITCH

PS-ES0100 REV -

PARAMETER	VALUE	UNITS
1.0 High Power Input Specifications		-
1.1 Frequency Range	3.1 TO 3.5	GHz
1.2 Power, Peak (Maximum)	1200	Watts
1.3 Power, Average (Maximum)	120	Watts
1.4 Duty (Maximum)	10	%
1.5 RF Pulse Width (Maximum)	13	usec.
1.6 Load VSWR (Maximum)	2.0:1	-
1.7 Harmonics (Maximum)	50	dBc
2.0 Microwave Switch Specifications		-
2.1 Frequency Range	3.1 TO 3.5	GHz
2.2 Isolation (Minimum)	23	dB
2.3 Insertion Loss (Maximum)	0.65	dB
2.4 VSWR (Maximum)	1.5:1	-
2.5 RF Switching Speed (Maximum)	10	us
2.6 Control Rep Rate (Maximum)	10	KHz
3.0 General Specifications		
3.1 Connectors		-
3.1.1 RF	N - F	
3.1.2 Control/Bias	M24308/3-2, 15 pin male	
3.2 Control		
3.2.1 Logic	RS422	-
3.2.2 Impedance	120	Ohms
3.2.2 State Table		
	<u>State</u> <u>RF Path</u>	
	0 1 J1 to J2	
	1 0 J1 to J3	
3.3 DC Power Requirements		
3.3.1 Positive supply voltage:	+28 +/- 2%	Vdc
3.3.2 Positive supply current::	1.5	Amps
3.4 Environmental Requirements		
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	

ENG: _____ MFG ENG: _____ TEST ENG: JA QC: JT
DATE: _____ DATE : _____ DATE : 2-17-99 DATE: 2-17-99