



PRODUCT SPECIFICATION
MODEL NO. ES0114, T/R Switch.

PS-ES0114 REV A

PARAMETER	VALUE	UNITS
1.0 High Power Input Specifications		-
1.1 Frequency Range	70 to 75	MHz
1.2 Power, Peak (Maximum)	150	Watts
1.3 Power, Average (Maximum)	50	Watts
1.4 Duty (Maximum)	34	%
1.5 RF Pulse Width (Maximum)	TBD	us
2.0 Microwave Switch Specifications		-
2.1 Frequency Range	70 to 75	MHz
2.2 Isolation (Minimum)	60	dB
2.3 Insertion Loss (Maximum)	0.4	dB
2.4 VSWR (Maximum)	1.5:1	-
2.5 RF Switching Speed (Maximum)	8	us
2.6 Control Switching Freq. (Maximum)	10	KHz
3.0 General Specifications		-
3.1 Connectors		-
3.1.1 RF	SMA-F	
3.1.2 Control/Bias	DEM-9P	
3.2 Logic,	TTL	
3.2 Control		
	<u>TTL CNTL</u>	<u>RF Path</u>
	" 0 "	J1 to J3
	" 1 "	J2 to J1
3.3 DC Power Requirements		
3.3.1 Positive Supply	+5+/-5%	Vdc
3.3.2 Positive Supply Current (Max)	500	mA
3.3.3 Negative Supply Voltage	-70v +/-5%	Vdc
3.3.4 Negative Supply Current (Max)	40	mA
3.4 Environmental Requirements		
3.4.1 Temperature		
3.4.1.1 Operating	-20 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: _____
REV. A REVISED PER ECN 2394