



MODEL No E6883
SPDT SWITCH

PARAMETER	VALUE	UNITS
1.0 High Power Specifications		
1.1 Maximum Pulse Width	0.8	us
1.2.0 Fundamental Specifications		
1.2.1 Frequency Range	1020 TO 1040	MHz
1.2.2 Power, Peak (Maximum)	1000	W
1.2.3 Power, Average (Maximum)	20	W
1.3.0 Harmonic Specifications		
1.3.1.1 Frequency Range	1040 to 2080	MHz
1.3.1.2 Power, Peak (Maximum)	25	W
1.3.1.3 Power, Average (Maximum)	1	W
1.3.2.1 Frequency Range	>2.1	GHz
1.3.2.2 Power, Peak (Maximum)	2.5	W
1.3.2.3 Power, Average (Maximum)	.1	W
1.3.2.4 Spurious	-80	dBc
2.0 Microwave Specifications		
2.1 Frequency Range	1020 to 1040	MHz
2.2 Isolation (Minimum)	45	dB
2.3 Insertion Loss (Maximum)	0.5	dB
2.4 VSWR (Maximum)	1.5	
2.4.1 Source & Load VSWR	1.5	
2.5 Switching Speed (max) (50% TTL To 1.0 dB RF)	1.0	us
3.0 General Specifications		
3.1.0 Connectors		
3.1.1 RF	SMA-F	
3.1.2 Logic	SMA-F	
3.1.3 Power, DC	SOLDER PINS	
3.2 Logic, Unbalanced, 1 Bit TTL	"0" = IN TO J3 "1" = IN TO J2	
3.3 DC Power Requirements		
3.3.1 Positive Supply: Voltage	+4.75 to +5.25	Volts DC
3.3.2 Positive Supply:Current (Max)	300	mA
3.3.3 Negative Supply: Voltage	-66 to -74	Volts DC
3.3.4 Negative Supply:Current (Max)	100	mA
3.4 Temperature Range	0 to +45	Deg. C
3.5 Dimensions, See Dwg.	E6883	