

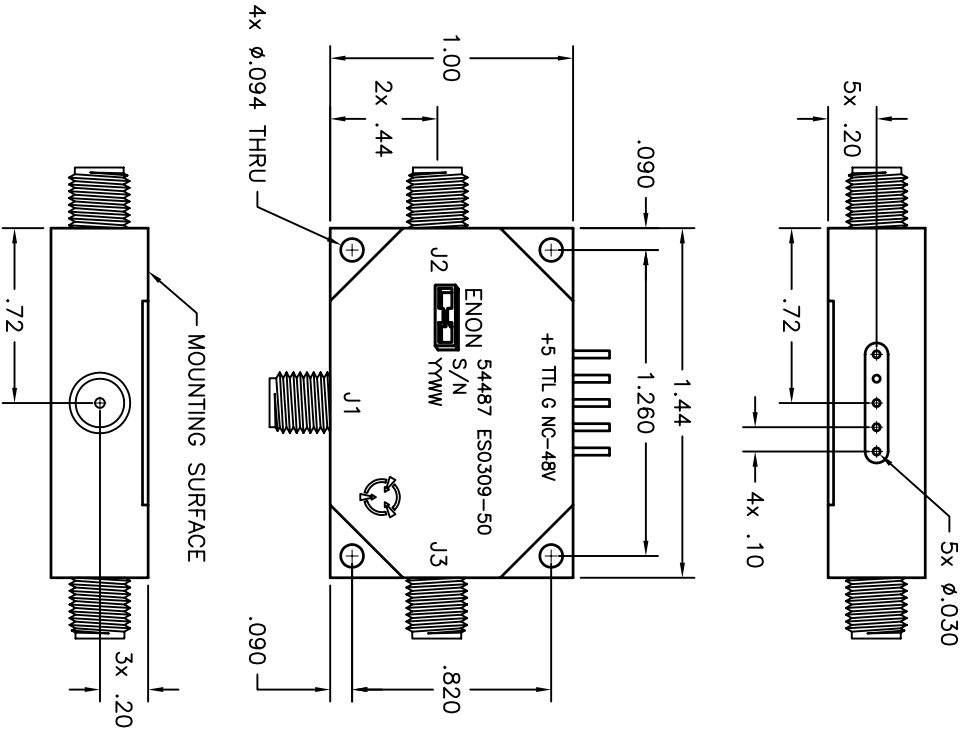
## MODEL NO. ES0309-50 SPDT

PARAMETER	VALUE	UNITS
1.0 High Power Input Specifications	-	
1.1 Frequency Range	0.1 - 1	GHz
1.2 Power, Peak (Maximum)	50	Watts
1.3 Power, Average (Maximum)	50	Watts
1.4 Duty (Maximum)	100	%
2.0 Microwave Switch Specifications	-	
2.1 Frequency Range	0.1 - 1	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)	500	ns
2.6 Control Switching Freq. (Maximum)	250	KHz
3.0 General Specifications		
3.1 Connectors	-	
3.1.1 RF/Control	SMA-F	
3.1.2 Control/Bias	Solder Pin	
3.2 Control, TTL		
	<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)	200	mA
3.3.3 Negative Supply Voltage	-48v +/-2%	Vdc
3.3.4 Negative Supply Current (Max)	100	mA
3.4 Environmental Requirements		
3.4.1 Temperature		
3.4.1.1 Operating	-10 to +65	Degrees C
3.4.1.2 Storage	-25 to +125	Degrees C
3.4.2 Cooling:	Conduction cooling through surface of switch body	
3.5 Dimensions	Refer to ES0309-50 outline drawing	



REV	DESCRIPTION	DATE	APPROVED
01	INITIAL RELEASE		

REVISIONS



TRUTH TABLE		
E1	J1-J2	J1-J3
0	LOSS	ISOLATION
1	ISOLATION	LOSS

CONTRACT NO.		DATE	
APPROVALS		12/14/06	
DRAWN		12/14/06	
CHECKED			
ENG.			
MFR.			
WFS.			
ENG.			
DC			



ENON MICROWAVE, INC.  
422A BOSTON STREET TORSEFIELD, MASSACHUSETTS 01863

**OUTLINE DRAWING**  
**SPDT SWITCH**

SIZE	FIG. NO.	DATE	REV
B	66864	01	01
SCALE	2:1		
SHEET		1 of 1	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  
DECIMALS ARE IN THOUSANDS