

MODEL NO. ES0309-5
SPDT, 5 W CW

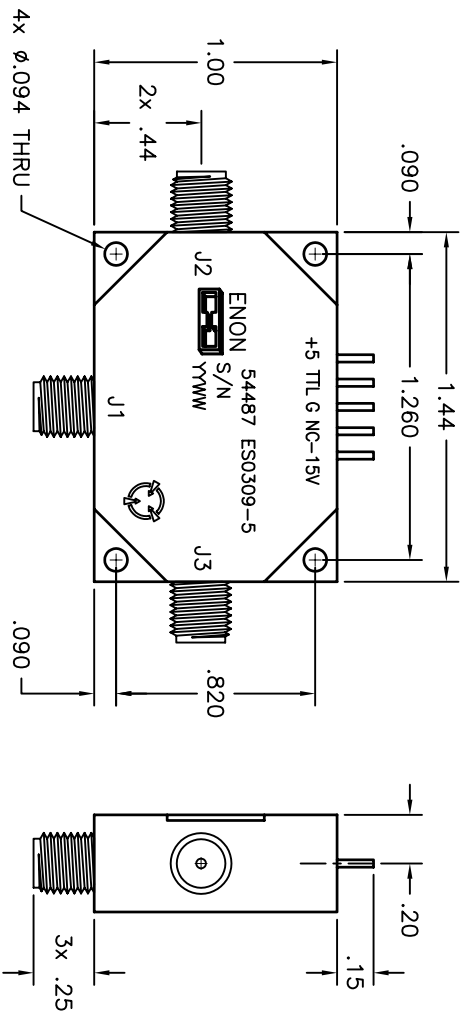
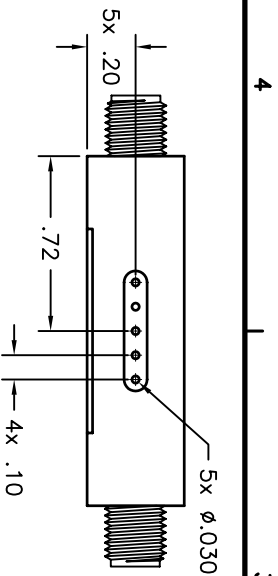
PARAMETER	VALUE	UNITS
1.0 High Power Input Specifications		-
1.1 Frequency Range	0.1 to 1	GHz
1.2 Power, CW (Maximum)	5	Watts
2.0 Microwave Switch Specifications		-
2.1 Frequency Range	0.1 to 1	GHz
2.2 Isolation (Minimum)	50	dB
2.3 Insertion Loss (Maximum)	1.0	dB
2.4 VSWR (Maximum)	1.3:1	-
2.5 RF Switching Speed (Maximum)	100	ns
2.6 Control Switching Freq. (Maximum)	1000	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	-15 +/-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: _____

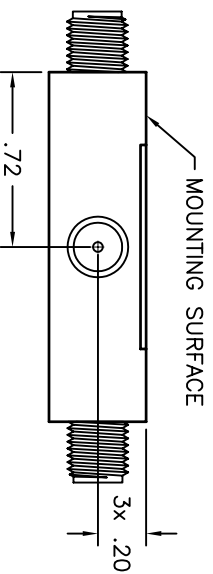
MICRONETICS

REV	DESCRIPTION	DATE	APPROVED
01	INITIAL RELEASE		

REV	DESCRIPTION	DATE	APPROVED
01	INITIAL RELEASE		



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



CONTRACT NO.		DATE	
APPROVALS		12/14/05	
DRAWN		12/14/05	
CHECKED		12/14/05	
WFG.		12/14/05	
ENC.		12/14/05	
DC		12/14/05	
SCALE		2:1	
SIZE		B	
P/NO. NO.		66864	
P/NO. NO.		OLESO309-5	
REV		01	
SHEET		1 of 1	

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DECIMALS SHALL BE TO 0.010.

ENON MICROWAVE, INC.	
4224 BOSTON STREET, TOWNSHIP, MASSACHUSETTS 01963	

OUTLINE DRAWING
SPDT SWITCH

