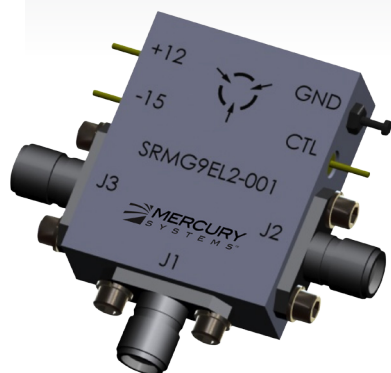


# SRMG9EL2-001 SP2T Pin Switch 18-40 GHz



The Mercury Systems SRMG9EL2-001 PIN diode SP2T switch is a high speed reflective switch offering high performance and an integrated high speed driver controlled by TTL or CMOS signals. The Mercury Systems family of high performance switches is available in military or non military versions, hermetic and non-hermetic.

## Applications

EW systems  
Communications systems  
Antenna/Filter Selectors

## Features

Broadband units  
Environmentally sealed  
-55° C to +95° C operation  
Shock/vibration/acceleration capable

### SP2T Specifications, +25° C

Parameter	Min	Typ	Max	Unit
Frequency	18		40	GHz
Insertion Loss		2.5	3.0	dB
VSWR		2.0	2.5	:1
Isolation	30	35		dB
Switching Speed		100	500	nS
50% TTL to 10/90% RF			1	W
Max RF Power, CW or Average				

### Control Logic

Control Logic	Switch State	
	On	Off
TTL 1	J1 - J2	J1 - J3
TTL 0	J1 - J3	J1 - J2

## Specifications

Storage Temperature -65° to +150°C  
Finish Gray Epoxy Paint per MIL-C-22750  
Weight 1.5 oz. Max

### Power Supply

Code ± 5%	Current (mA MAX)
+12V	50
-15V	50

# Outline Drawing

