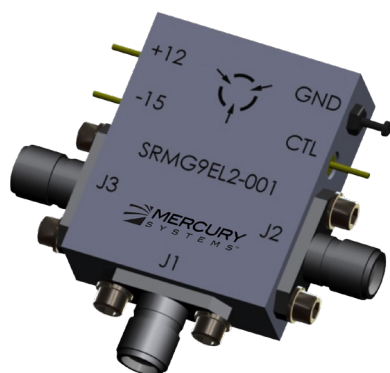


High-Speed Switch

SP2T High Speed Reflective



Specifications are subject to change without notice



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 50% TTL to 10/90% RF		100	500	nS
Max RF Power, CW or Average			1	W

Control Logic

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

Specifications

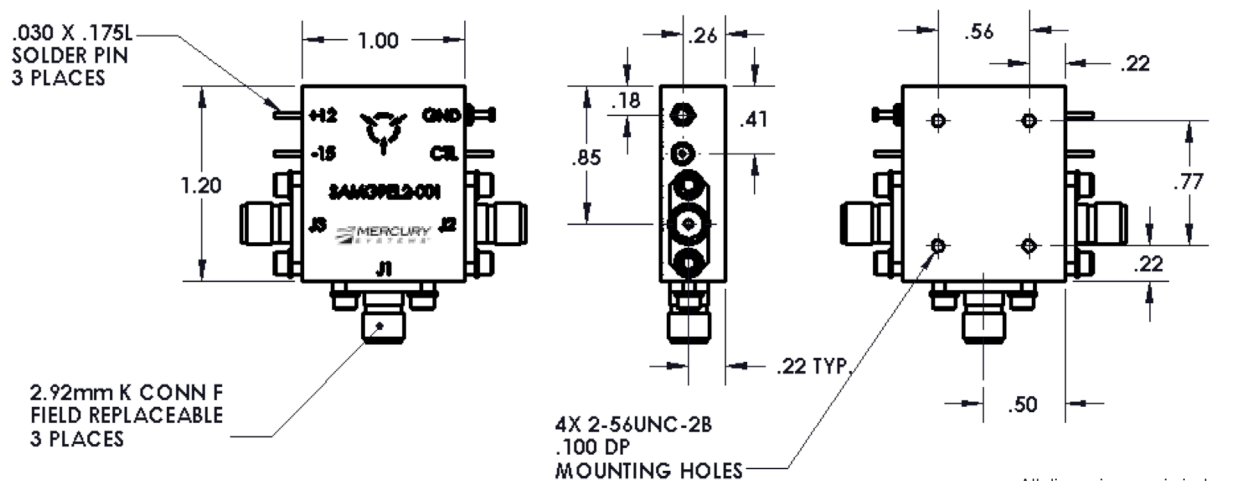
Storage Temperature -65° to +150°C
Finish Gray Epoxy Paint per MIL-C-22750
Weight 1.5 oz. Max

Power Supply

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



Outline Drawing



Need More Help? Need a Variant of This Product?

Contact Mercury's RF & Microwave engineering team at rf.microwave@mrcy.com or visit www.mrcy.com/rf for a detailed listing of RF and Microwave products.



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