

# SPST MMIC Switch with Driver

## 0.01 to 10.0 GHz

MASWML0002



### Features

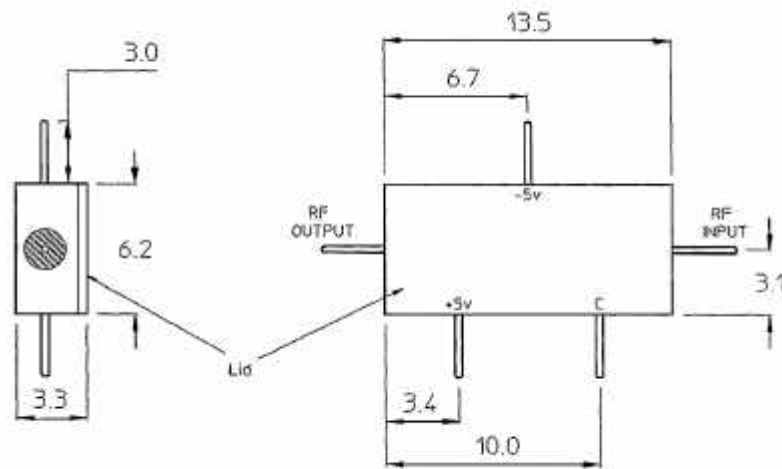
- Fast Switching
- Compact Outline
- Low Current
- Hermetic Package
- Strip Line Compatible

### Description

This drop in SPST module offers High Isolation, Low Insertion loss in a miniature strip line compatible package. This device is supplied with complete internal driver circuit and DC blocks. Production screening is available to MIL-STD 883D. Stabilisation bake, Temperature cycling, Constant Acceleration, Burn-in, Fine Leak, Gross Leak can be performed on request. It is a proven design for harsh environments and is suitable for Airborne, Naval & Ground base applications.

### Other Mechanical

Package is Gold plated. Strip line drop in pins are supplied for RF and DC connections. This device is supplied with Gold plated finish.



### Electrical Performance

(Applies over the frequency range @ +25 °C, output load impedance of 50 ohms. Unless otherwise stated limits & conditions are indicated values.)

Type	Frequency (GHz)	I/Loss max (dB)	Isolation min (dB)	R/Loss min (dB)	S. Speed max (ns)	I/P Power max (mw)	Logic	Power Supply V & mA	Dimensions (Ex-Con) mm	Operating Temp °C	Storage Temp °C
SPST	0.01 - 6.0	2.7	50	12	50	100	'0' = Insertion Loss TTL '1' = Isolation	+5 -5	13.5 x 6.2 x 3.3	-40 to +85	-55 to +125
	6.0 - 9.0	4.0	50	9.5				50 50			
	9.0 - 10.0	4.0	45	9.5							

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