

SPST MMIC Switch with Driver

0.01 to 10.0 GHz

MASWML0002



Features

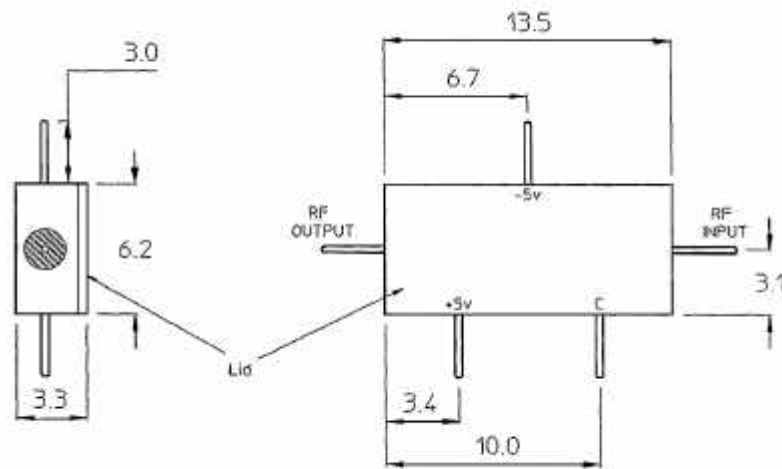
- Fast Switching
- Compact Outline
- Low Current
- Hermetic Package
- Strip Line Compatible

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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