

Electronics

## SP4T Non-Reflective Miniature Switch TTL Compatible Driver. 0.5 ~ 18.0 GHz

#### **Features**

- **Broad-Band Frequency Coverage**
- Miniature Outline
- **Field Removable Connectors** •
- Hermetically Sealed Housing •
- High Isolation
- **TTL Compatible** .
- Fast Switching

#### Description

The MASWML0024 is a broadband (0.5 – 18GHz) SP4T Non-reflective switch. It features Low Insertion loss and High Isolation. Each output arm is controlled independently, maximising design-in flexibility. This is provided by the built-in, high-speed, TTL compatible driver. The field replaceable connectors allow direct integration into microstrip applications. This proven harsh environment design is suitable for Airborne, Naval & Ground base applications.

## Mechanical

5 SMA female RF connections: Field Replaceable

DC connections and TTL controls are supplied through solder pins.

This device is hermetically sealed, with a silver-plate finish to Def. Stan. 03-09.

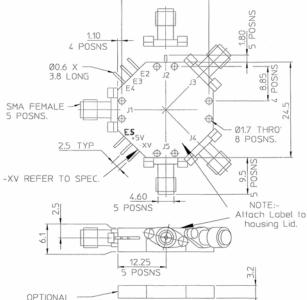
## Specification at +25 °C

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

Туре	Frequency (GHz)	l/Loss Max. (dB)	Isolation Min. (dB)	R/Loss Min. (dB)	S. Speed Max. (ns)	I/P Power Max. (mW)	Logic		wer oply mA	Operating Temp. °C	Storage Temp °C
SP4T	0.5 ~ 17.0 17.0 ~ 18.0	3.6 4.0	50	8.52	30	100	Each Channel '0' = Low Loss '1' = Isolation	+5 -5	120 50	-20 ~ +85	-50 ~ +85

1

<sup>8</sup> POSNS. 2.5 TYP 4.60 NOTE:-5 POSNS housing Lid. 12.25 POSNS OPTIONAL SPACER PLATE Dimensions in 'mm'



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Visit www.macom.com for additional data sheets and product information.



# MASWML0024 **V2**

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