SPDT MMIC Reflective Miniature Switch TTL Compatible Driver, 0.5 ~ 18.0 GHz

MASWML0011 V2

Features

- Broad-Band Frequency Coverage
- Miniature Outline
- Field Removable Connectors
- Hermetically Sealed Housing
- TTL Compatible
- Fast Switching

Description

The MASWML0011 is a broadband (0.5 – 18GHz) SPDT reflective switch featuring Low Insertion loss and Fast switching.

The built-in, high-speed, TTL compatible driver, allows control using a single logic line.

The field replaceable connectors allow direct integration into microstrip applications.

This proven harsh environment design is suitable for Airborne, Naval & Ground base applications.



Dimensions in 'mm'

Mechanical

Input: SMA Male, Field replaceable Outputs (2): SMA Female, Field replaceable

DC connections and TTL controls are supplied through solder pins.

This device is hermetically sealed, with a matt black paint finish to Def. Stan. 80-161(5555A).

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)	l/P Power Max.	Logic	Power Supply		Operating Temp. °C	Storage Temp °C
						(dBm)		v	mA		
SPDT	0.5 ~ 2.0	1.8	50	11.7	15	+11	'0':J1-J2 Low loss,	+5	20	-55 ~ +85	-55 ~ +125
	2.0 ~ 8.0	2.5	40	9.54		(+7dBm	01 00 100101011	-12	60		
	8.0 ~ 18.0	3.2	32	9.54		at 85°C)	'1': J1-J2 Isolation, J1-J3 Low loss				

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