



**SPDT Switch**

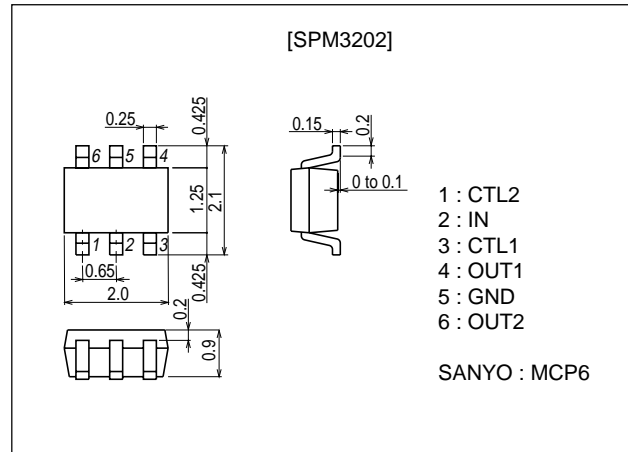
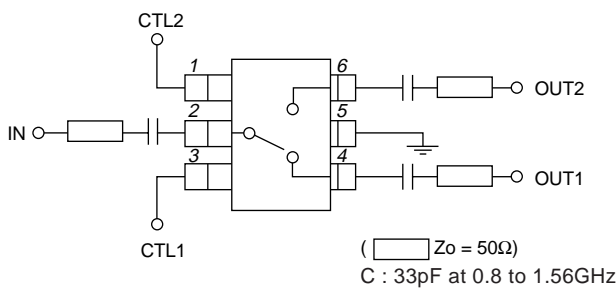
**Features and Applications**

- Control voltage +3 / 0V.
- MCP package.

**Package Dimensions**

unit : mm  
1297

**Application Circuit**



**Specifications**

**Absolute Maximum Ratings** at  $T_a=25^\circ\text{C}$

Parameter	Symbol	Ratings	Unit
Control Voltage	V <sub>CTL</sub>	5	V
Storage Temperature	T <sub>stg</sub>	-55 to +150	°C
Operating Temperature	T <sub>opr</sub>	-20 to +85	°C

**Electrical Characteristics** at  $T_a=25^\circ\text{C}$ ,  $f = 810$  to  $1033\text{MHz}$

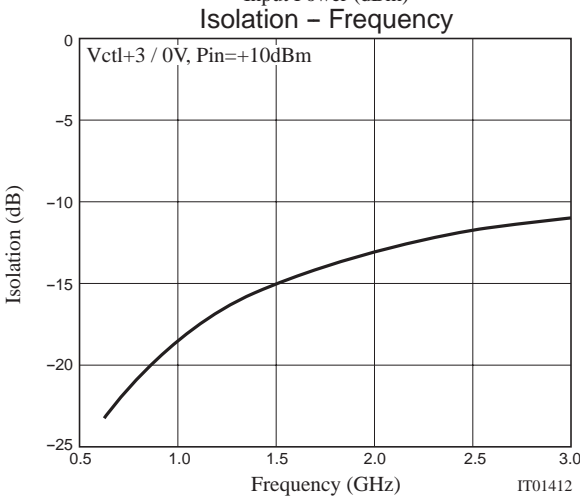
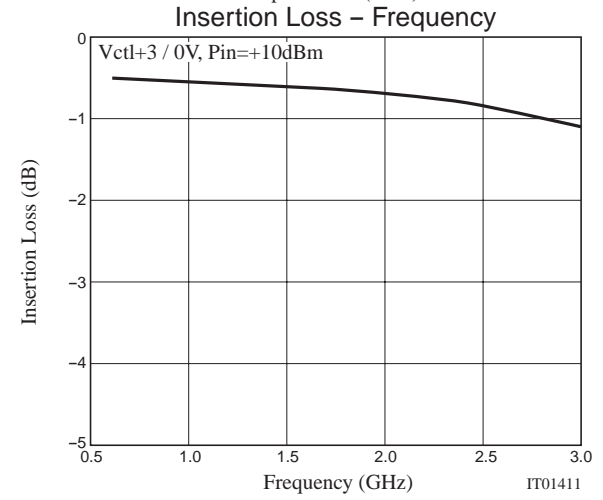
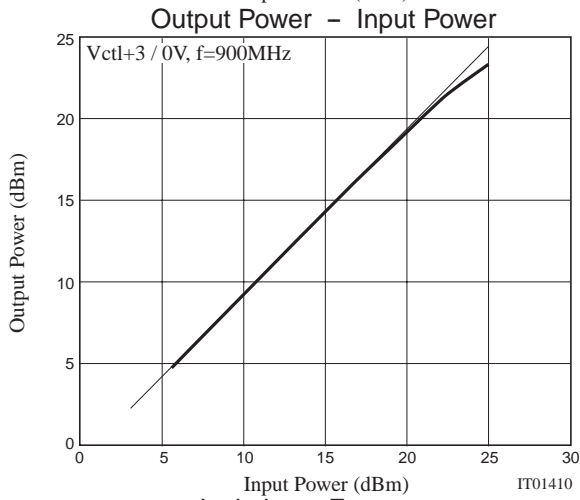
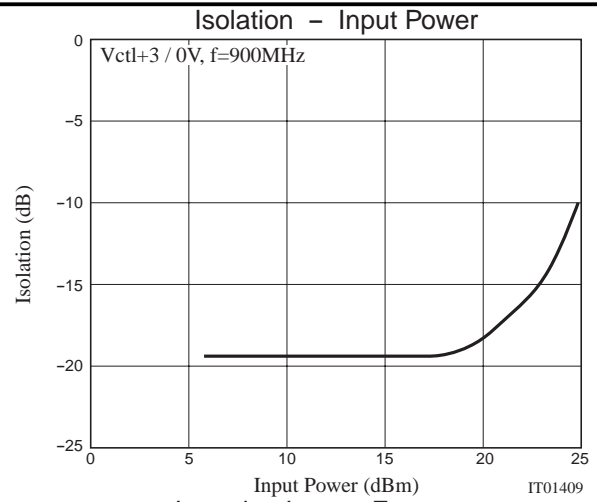
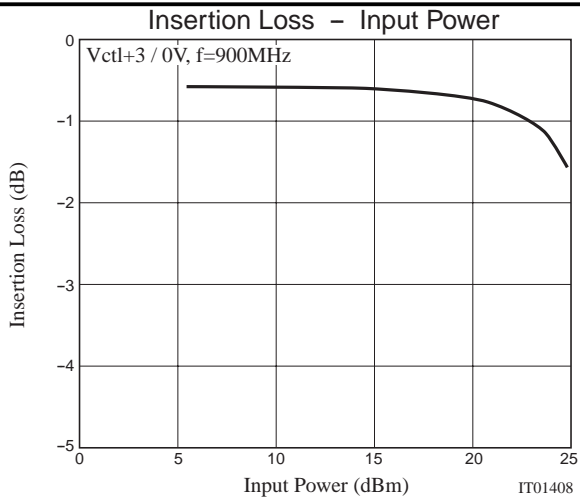
Parameter	Conditions	Ratings			Unit
		min	typ	max	
Insertion Loss	IN-OUT1, IN-OUT2 V <sub>ctl</sub> +2.4 to +3.0 / 0V		0.55	0.85	dB
Isolation	IN-OUT1, IN-OUT2 V <sub>ctl</sub> +2.4 to +3.0 / 0V	15	20		dB
VSWR	IN-OUT1, IN-OUT2 V <sub>ctl</sub> +2.4 to +3.0 / 0V		1.3	1.5	
Switching Time	V <sub>ctl</sub> +2.4 to +3.0 / 0V		20	100	ns
Control Current	Ctl1, Ctl2 V <sub>ctl</sub> +2.4 to +3.0 / 0V		0.1	10	μA
Po1dB	IN-OUT1, IN-OUT2 V <sub>ctl</sub> +2.4 / 0V	8	15		dBm
Po1dB	IN-OUT1, IN-OUT2 V <sub>ctl</sub> +3.0 / 0V	15	20		dBm

Marking : MM2

CTL1	CTL2	
+2.4 to +3.0V	0V	IN → OUT1
0V	+2.4 to +3.0V	IN → OUT2

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