



SPM3218

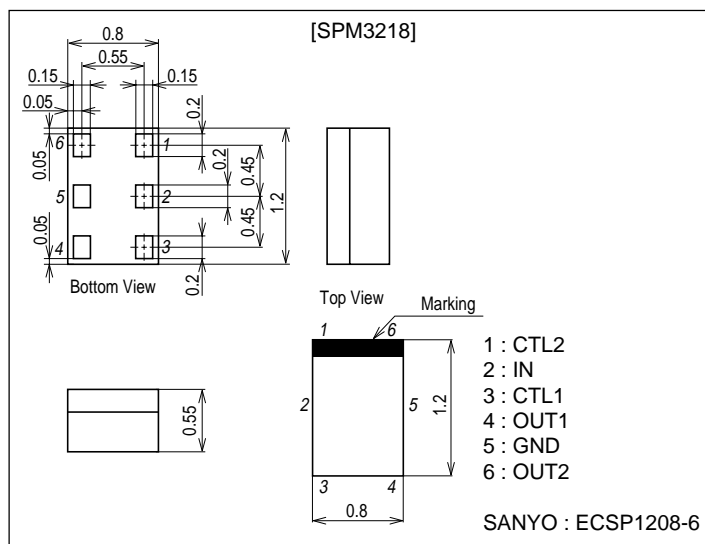
Single Power Supply Operation Wide Band Switch MMIC

Features

- Control voltage +3 / 0V.
- Ultrasmall package (ECSP).
- Low insertion loss.
- High isolation.

Package Dimensions

unit : mm
1318



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Control Voltage	VCTL		5.0	V
Power Dissipation	PD		150	mW
Storage Temperature	Tstg		-55 to +150	°C
Operating Temperature	Topr		-20 to +85	°C

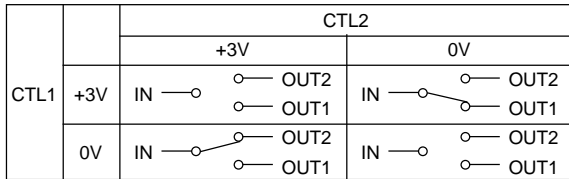
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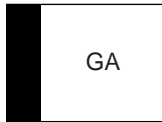
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Electrical Characteristics at $T_a=25^{\circ}\text{C}$ Control Voltage 1, 2 : 0 / +3V

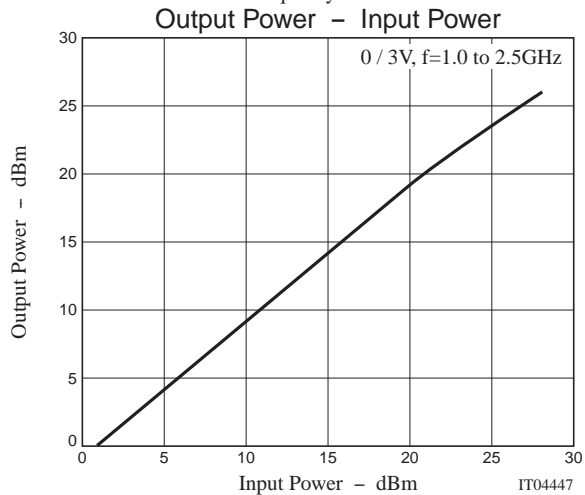
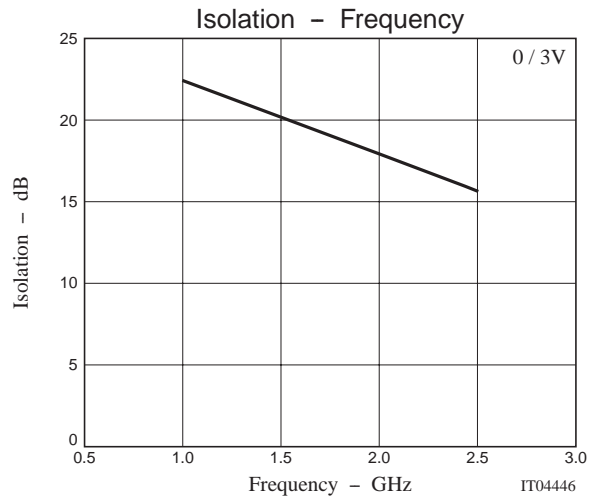
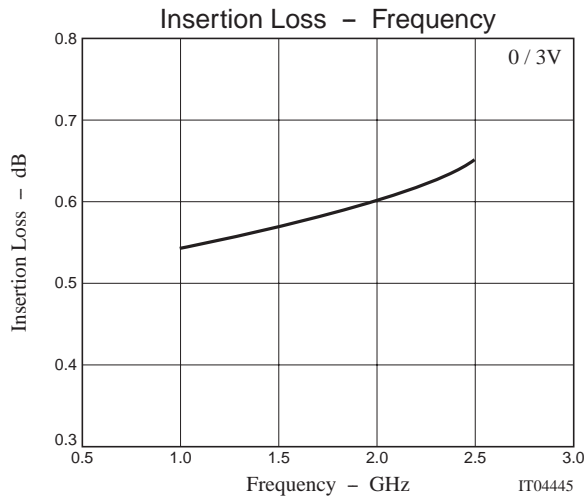
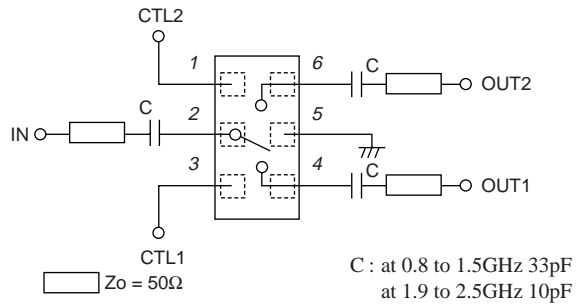
Parameter	Conditions	Ratings			Unit
		min	typ	max	
Insertion Loss	IN-OUT1, IN-OUT2	f=1GHz	0.55	0.85	dB
		f=2GHz	0.6	0.9	dB
		f=2.5GHz	0.65	0.95	dB
Isolation	IN-OUT1, IN-OUT2	f=1GHz	19	22	dB
		f=2GHz	15	18	dB
		f=2.5GHz	13	16	dB
VSWR	IN-OUT1, IN-OUT2	f=1GHz to 2.5GHz	1.1	1.5	
Switching Time		f=1GHz to 2.5GHz	20	100	ns
P_{IN1dB}	IN-OUT1, IN-OUT2	f=1GHz to 2.5GHz	24	28	dBm



Marking : GA



Application Circuit



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