

Ordering number : ENN6356

GaAs MMIC

SPM3252

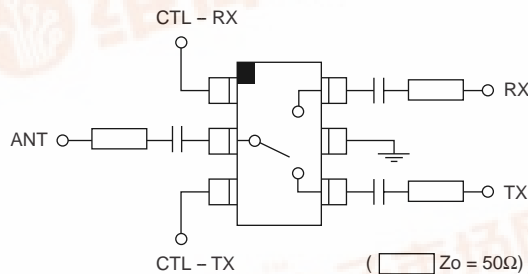


SPDT Switch

Features and Applications

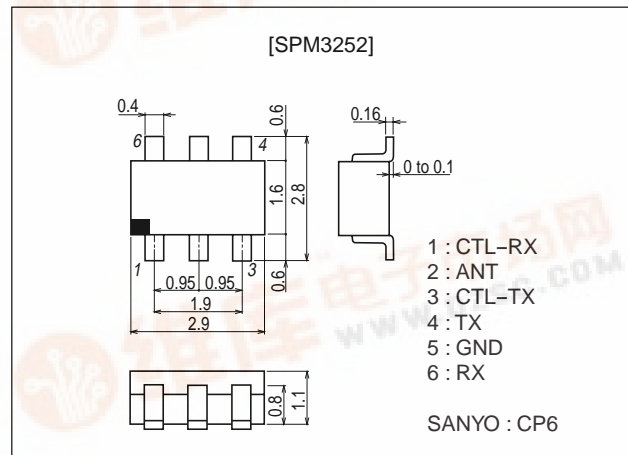
- Control voltage +3 / 0V.
- Miniature mold package.
- Low loss and high linearity by adopting χ -structure, thus allows this device to be best suited for input / output power.

Application Circuit



Package Dimensions

unit : mm
1273



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Ratings	Unit
Control Voltage	VCTL	5	V
Storage Temperature	Tstg	-55 to +150	°C
Operating Temperature	Topr	-20 to +70	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Insertion Loss	TX - ANT	f=1.9GHz		0.6	0.9	dB
	ANT - RX	Control voltage +3 / 0V		0.65	0.95	dB
Isolation	TX - ANT	f=1.9GHz	20	22		dB
	ANT - RX	Control voltage +3 / 0V	20	22		dB
VSWR		f=1.9GHz		1.4	2.0	-
Switching Time	Tsw			20		ns
Pol dB	TX	f=1.9GHz		24		dBm
	RX	Control voltage +3 / 0V		20		dBm

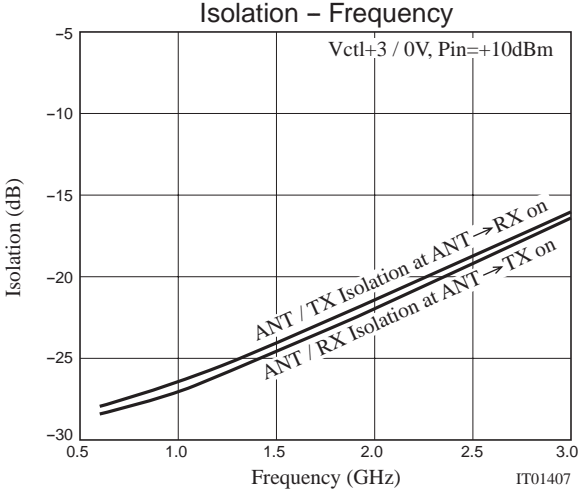
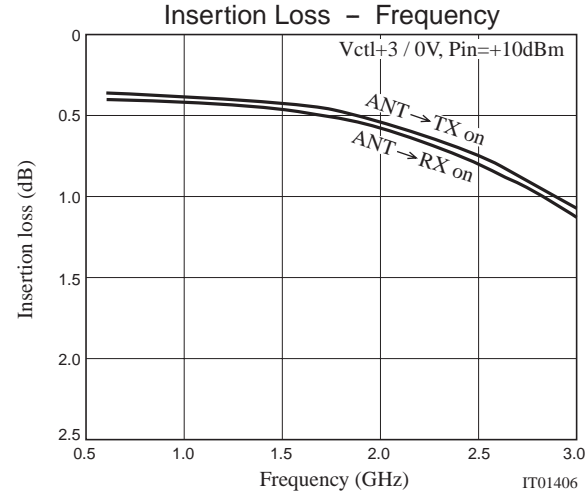
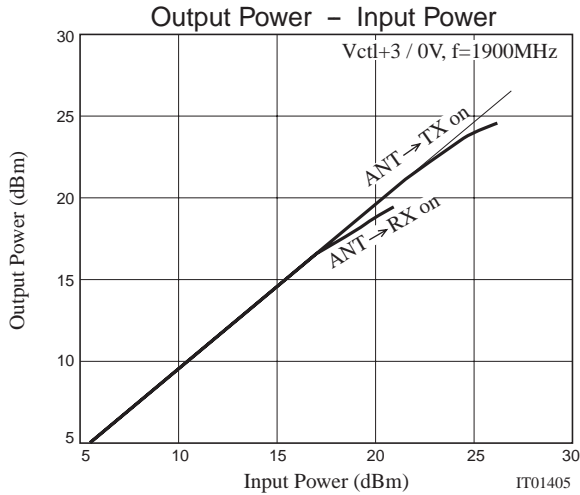
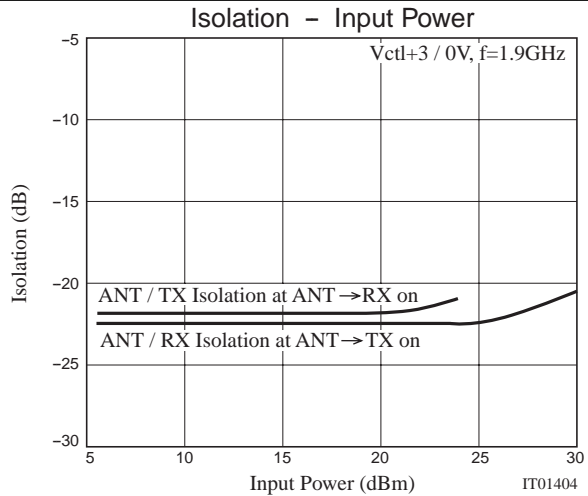
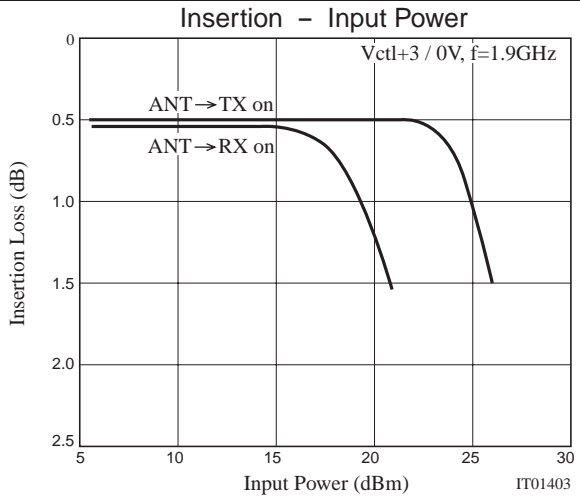
Marking : MH

CTX-TX	CTL-RX	
+3V	0V	TX → ANT
0V	+3V	ANT → RX

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SPM3252



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