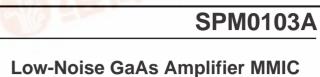
#### 查询SPM0103供应商

WWW.0ZSC.CO

### 捷多邦,专业PCB打样工厂,24小时加急出货

#### Ordering number : EN5563

# GaAS MMIC



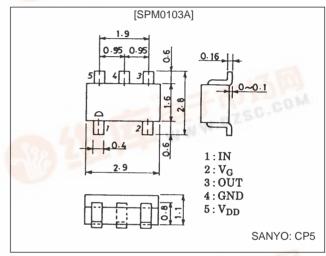
# **Features**

- · Low-voltage, low-current operation
- Compact mini-mold package
- No matching circuits needed for I/O
- Low noise
- Ideal for use as first stage for mobile communications receiver amplifier

# Package Dimensions

# unit: mm

# 7272-CP5



# **Specifications** Absolute Maximum Ratings at $Ta = 25^{\circ}C$

Parameter	Symbol	Conditions	Ratings	Unit
Power supply voltage	V <sub>DD</sub>		5	V
Gate voltage	VG		-2	V
Allowable power dissipation	PD	Mag	0.25	W
Operating temperature	Topr	$V_{DD} = 3 \text{ V}, I_D = 60 \text{ mA or less}$	-30 to +90	°C
Storage temperature	Tstg		-55 to +150	°C
Junction temperature	Tj		150	°C

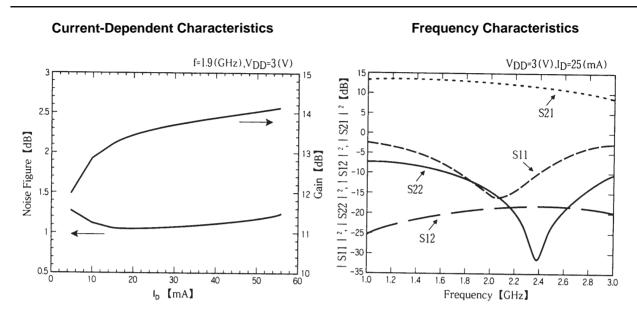
PDF

## **Electrical Characteristics at Ta = 25°C**

Parameter	Symbol	Conditions	1 200 10	Ratings		
	Symbol		min	typ	max	Unit
Drain current t	I <sub>D</sub>	$V_{DD} = 3 V, V_G = 0$	50	70	95	mA
Noise figure	NF	V <sub>DD</sub> = 3 V, I <sub>D</sub> = 25 mA, f = 1.9 GHz		1.1	1.5	dB
Linear gain	GL	V <sub>DD</sub> = 3 V, I <sub>D</sub> = 25 mA, f = 1.9 GHz		12		dB
VSWR (input)	025 025	V <sub>DD</sub> = 3 V, I <sub>D</sub> = 25 mA, f = 1.9 GHz		2.1		
VSWR (output)	A 44 4	V <sub>DD</sub> = 3 V, I <sub>D</sub> = 25 mA, f = 1.9 GHz		2.1		

Individual component name indication: MJ





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**SPM0103A**