

MA 1046-1

For 1.9 GHz - Power Amplifier

## **DESCRIPTION**

## 2. Electrical Performances ( $T_C = +25^\circ\text{C}$ , $V_D 1, 2 = 6\text{V}$ , $V_D3 = 10\text{V}$ , $V_G 1, 2 = -5\text{V}$ , $V_G 3 = -3\text{V}$ , $Z_g = Z_l = 5\text{G}\Omega$ )

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## FEATURES

Vd1, 2 = +6.0V, Vd3 = +10.0V

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# APPLICATION

Power amplifier for PHS base station/Japan

2. Tolerance of dimension of leads interval:  $\pm 0.3$
3. Tolerance of dimension except indications:  $\pm 0.3$
4. Surface Leads: Tin Plating (Iron)

(Material)

The technical drawing illustrates the MA1046-1 module in two views: front and rear. The front view shows the top surface with a central triangular logo and the part number 'MA1046-1'. The rear view shows the underside with various component pads labeled 'a' through 'j'. Dimensions include a total width of 50 Max., a height of 1.8, and a thickness of 0.5. Specific lead spacing is indicated as 21 Max. and 25 Max. The drawing also includes a legend for component designators:

- ① RF IN
- ② GND
- ③ V<sub>G12</sub>
- ④ V<sub>D12</sub>
- ⑤ GND
- ⑥ V<sub>G3</sub>
- ⑦ V<sub>D3</sub>
- ⑧ RF OUT
- ⑨ GND (base)

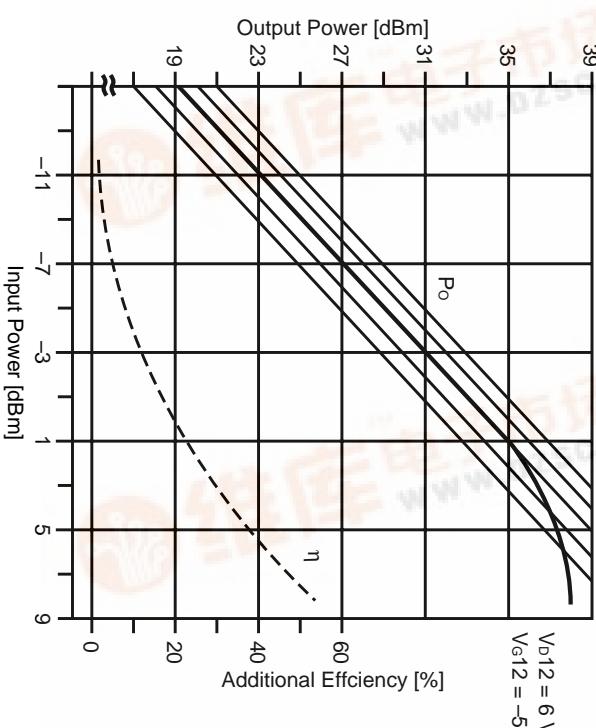
## Amplifier Specifications (MA1046-1)

## 1. Maximum Ratings ( $T_a=25^\circ C$ )

No.	Items	Symbol	Condition	Standard	Unit
1	Case temperature	T <sub>C</sub>		-20 ~ +70	°C
2	Storage temperature	T <sub>Stg</sub>		-40 ~ +95	°C
3	Voltage	V <sub>D</sub> 12, V <sub>D</sub> 3	V <sub>G</sub> 12 = -5.0 V, V <sub>G</sub> 3 = -3.0 V	V <sub>D</sub> 12 = 7.0 V, V <sub>D</sub> 3 = 11.0 V	V
4	Gate Voltage	V <sub>G</sub> 12, V <sub>G</sub> 3	V <sub>D</sub> 12 = 6.0 V, V <sub>D</sub> 3 = 10.0 V	V <sub>G</sub> 12 = -8.0 V, V <sub>G</sub> = -8.0 V	V
5	Input Power	P <sub>in</sub>		+10 dBm	dBm

MA1046-1 Pin - Pout. ACP.

### Typical Characteristics



## 查询MA1046-1供应商