

Features

- High power
 - $P_o = 26$ dBm at $P_{in} = 5$ dBm
- Super low distortion
 - $P_{adj} = -62$ dBc at $P_o = 25$ dBm, 600 kHz offset
- High gain
 - $G_p = 21$ dB at $P_{in} = 5$ dBm
- Input/output port matched to 50Ω
- Hermetically sealed package

RF Performance Specifications ($T_a = 25^\circ\text{C}$)

Characteristic	Symbol	Condition	Unit	Min.	Typ.	Max.
Output Power	P_o	$V_{DD1} = V_{DD2} = 6\text{V}$ $V_{GG} = -5\text{V}$, $f = 1.9$ GHz $P_{in} = 5$ dBm	dBm	25	26	-
Power Gain	G_p		dB	20	21	-
Drain Current	I_{DD}^*		mA	-	280	350
Adjacent Channel Leakage Power	P_{adj}	$V_{DD1} = V_{DD2} = 6\text{V}$ $V_{GG} = -5\text{V}$, $f = 1.9$ GHz $P_o = 25$ dBm $\pi / 4$ -QPSK Modulation 600 kHz Offset	dBc	-	-62	-60

* $I_{DD} = I_{DD1} + I_{DD2}$

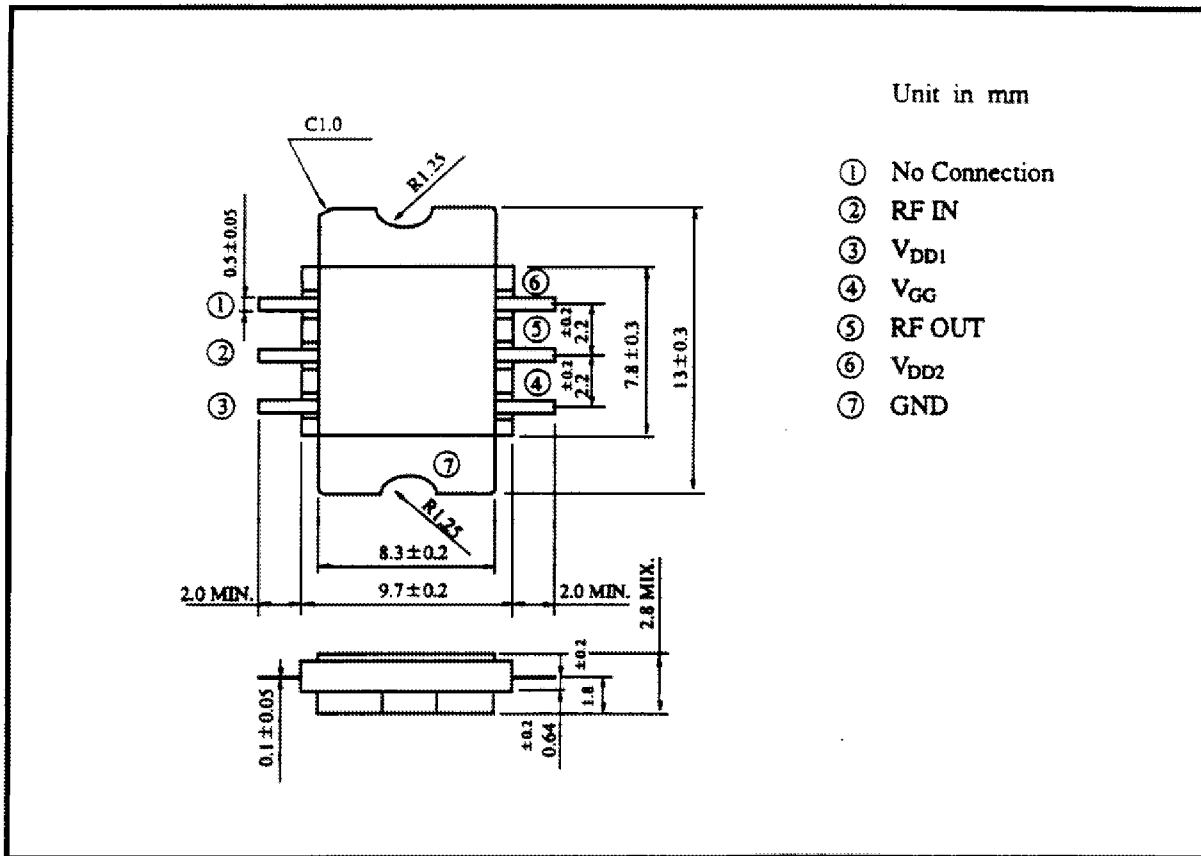
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Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Characteristic	Symbol	Unit	Rating
Drain Supply Voltage	V_{DD1}, V_{DD2}	V	15
Gate Supply Voltage	V_{GG}	V	-15
Input Power	P_{in}	dBm	10
Flange Temperature	T_f	$^\circ\text{C}$	-30 ~ +80
Storage Temperature	T_{stg}	$^\circ\text{C}$	-65 ~ +175

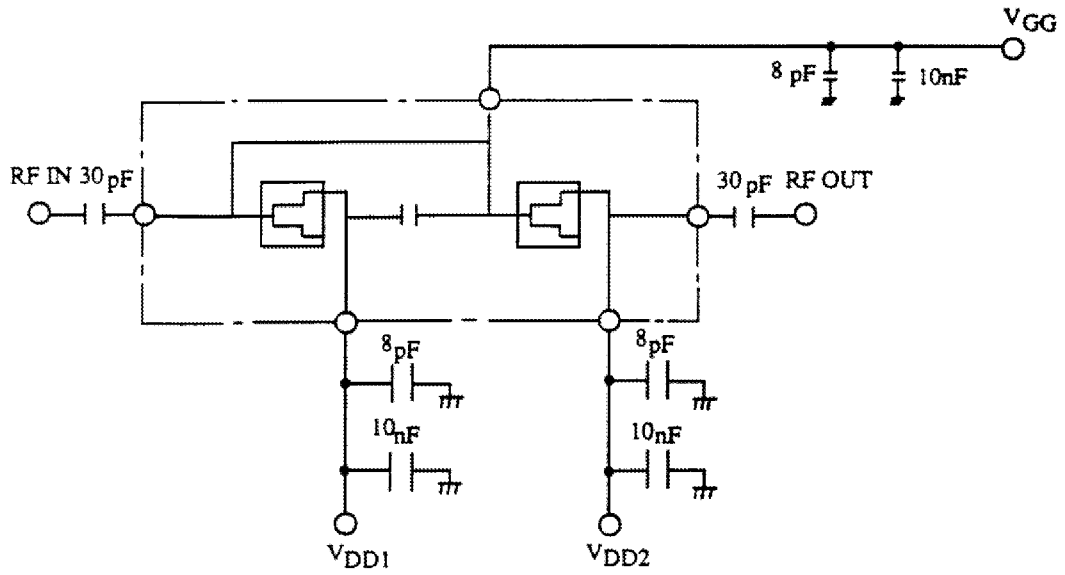
Package Outline (2-8N1A)



Handling Precautions for Packaged Type

Soldering iron should be grounded and the operating time should not exceed 10 seconds at 260°C .

MMIC Schematic



RF Performance

