

FEATURES

- **HIGH POWER**
P1dB=34.0dBm at 5.8GHz to 7.2GHz
- **HIGH GAIN**
G1dB=29.0dB at 5.8GHz to 7.2GHz
- **BROAD BAND INTERNALLY MATCHED**
- **HERMETICALLY SEALED PACKAGE**

ABSOLUTE MAXIMUM RATINGS (Ta= 25°C)

CHARACTERISTICS	SYMBOL	UNIT	RATING
Drain Supply Voltage	VDD	V	15
Gate Supply Voltage	VGG	V	-10
Input Power	Pin	dBm	10
Flange Temperature	Tf	°C	-30 ~ +80
Storage Temperature	Tstg	°C	-65 ~ +175

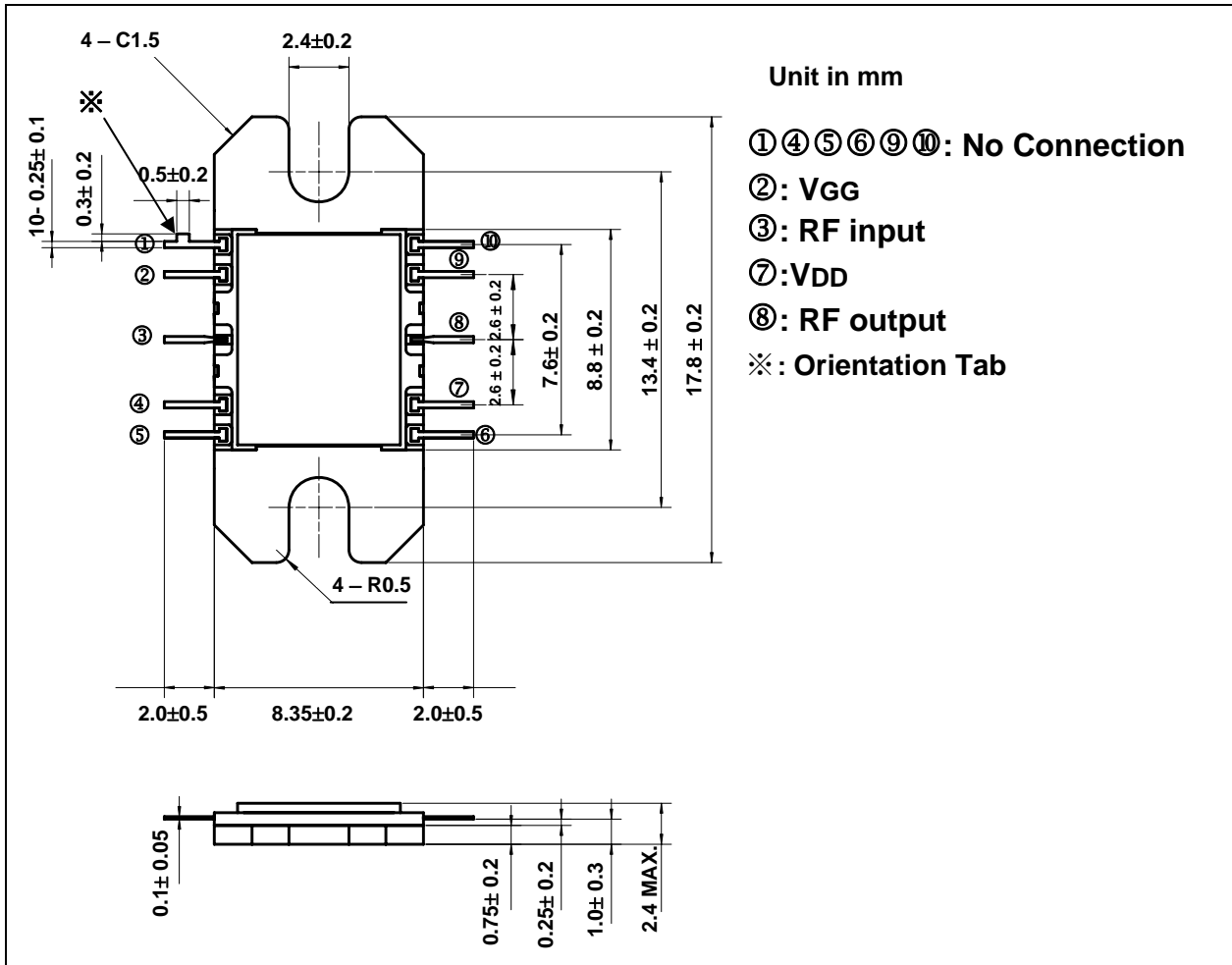
RF PERFORMANCE SPECIFICATIONS (Ta= 25°C)

CHARACTERISTICS	SYMBOL	CONDITIONS	UNIT	MIN.	TYP.	MAX.
Operating Frequency	f		GHz	5.8		7.2
Output Power at 1dB Gain Compression Point	P1dB	VDD= 10V VGG= -5V	dBm	32.0	34.0	—
Power Gain at 1dB Gain Compression Point	G1dB		dB	27.0	29.0	—
Gain Flatness	ΔG		dB	—	—	±2.0
Drain Current	IDD		A	—	1.2	1.6
Input VSWR	VSWRin		—	—	2.0	3.0
3 rd Order Intermodulation Distortion	IM ₃		Po (S.C.L.)=22.0 dBm	dBc	-42	-45

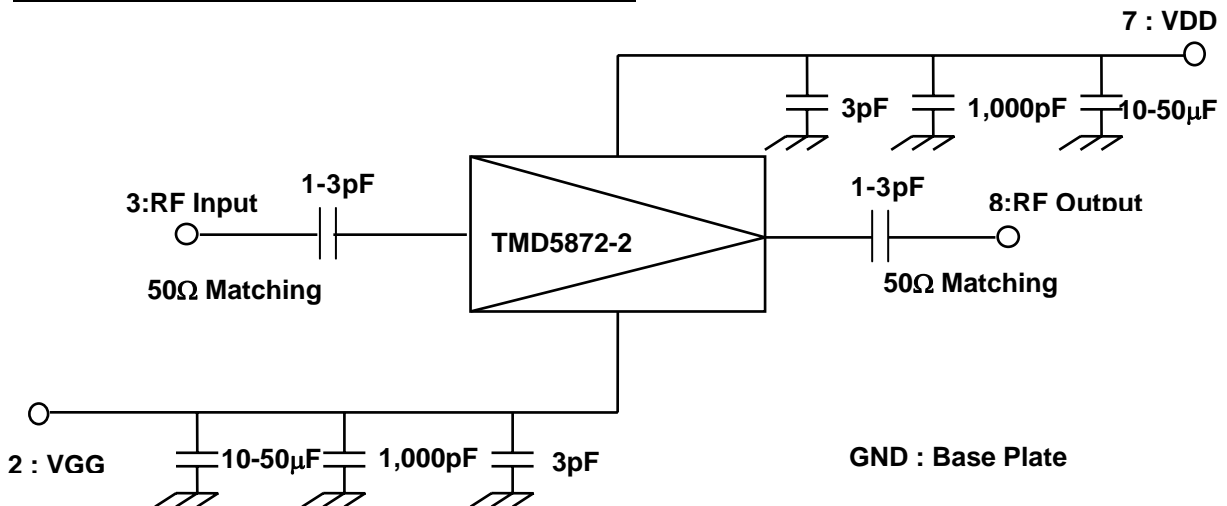
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PACKAGE OUTLINE (2-9E1F)



RECOMMENDED BIAS CONFIGURATION



HANDLING PRECAUTIONS FOR PACKAGE MODEL

Soldering iron should be grounded and the operating time should not exceed 10 seconds at 260°C. Flanges of devices should be attached using screws and washers. Recommended torque is 0.18-0.20 N-m.