

Features:

■ HIGH POWER

$P_{1dB} = 33 \text{ dBm}$ at 5.1 to 7.2 GHz

■ HIGH GAIN

$G_{1dB} = 22 \text{ dB}$ at 5.1 to 7.2 GHz

■ BROAD BAND INTERNALLY MATCHED

■ HERMETICALLY SEALED PACKAGE

ABSOLUTE MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

CHARACTERISTICS	SYMBOL	UNIT	RATINGS
DRAIN SUPPLY VOLTAGE	V _{DD}	V	15
GATE SUPPLY VOLTAGE	V _{GG}	V	-10
INPUT POWER	P _{in}	W	0.1
FLANGE TEMPERATURE	T _f	°C	-30 ~ +80
STORAGE TEMPERATURE	T _{stg}	°C	-65 ~ +175

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

CHARACTERISTICS	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Output Power at 1 dB Gain Compression Point	P _{1dB}	V _{DD1} =V _{DD2} =V _{DD3} =10V,	dBm	32.0	33.0	—
Power Gain at 1 dB Gain Compression Point	G _{1dB}	V _{GG} =-5 V f= 5.1-7.2 GHz	dB	20.0	22.0	—
Drain Current	I _{DD} *		A	—	1.70	2.00
Input VSWR	VSWR _i		—	—	—	3.0

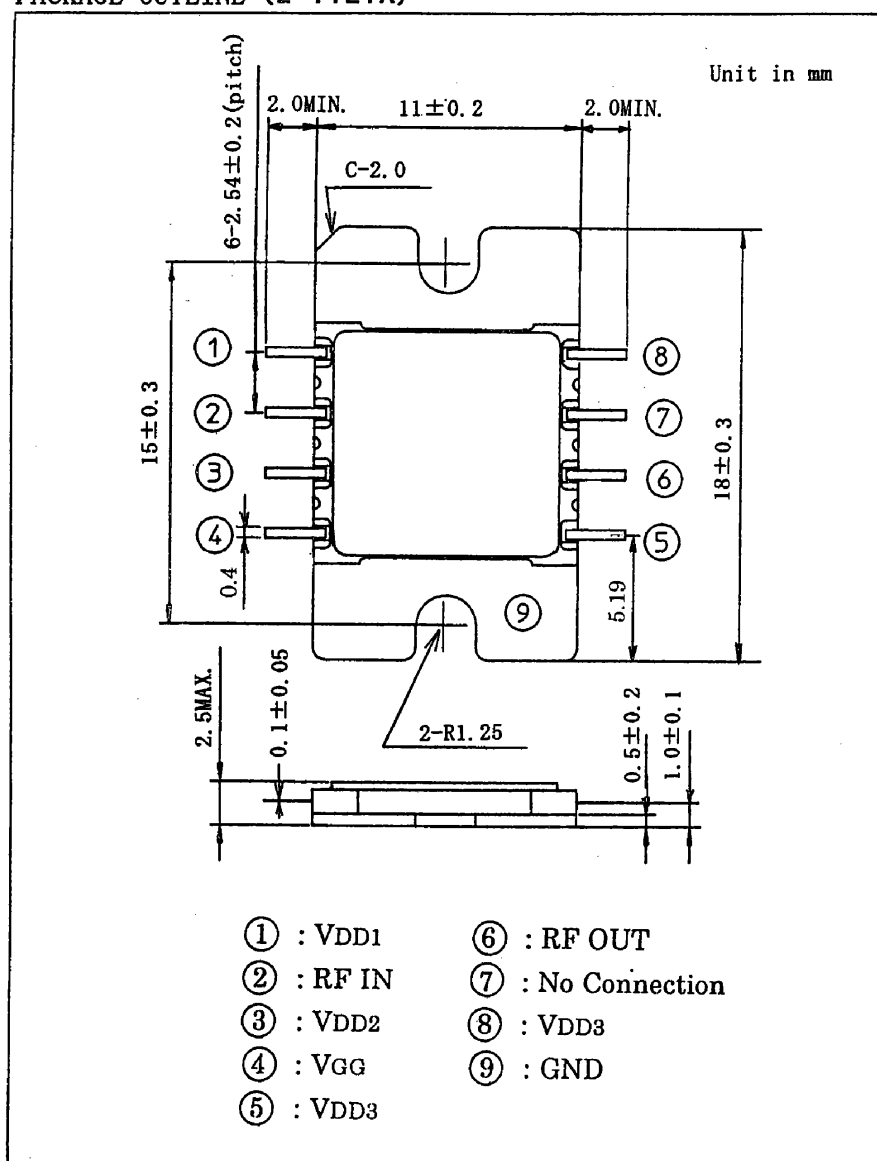
* I_{DD}=I_{DD1}+I_{DD2}+I_{DD3}

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TMD0507-2

PACKAGE OUTLINE (2-11E1A)



HANDLING PRECAUTIONS FOR PACKAGED TYPE

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 torques are 0.18-0.20 N·m.