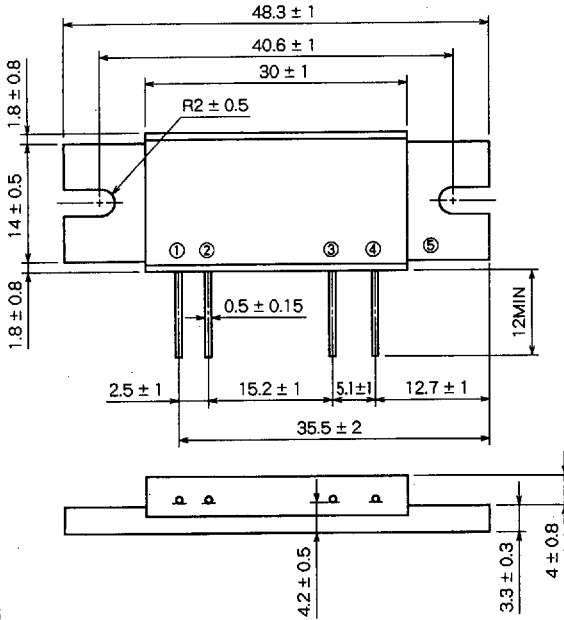


OUTLINE DRAWING

Dimensions in mm



PIN :

- ① Pin : RF INPUT
- ② Vcc1 : 1st. DC SUPPLY
- ③ Vcc2 : 2nd. DC SUPPLY
- ④ Po : RF OUTPUT
- ⑤ GND : FIN

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ABSOLUTE MAXIMUM RATINGS (Tc = 25°C unless otherwise noted)

Symbol	Parameter	Conditions	Ratings	Unit
Vcc1	1st. DC Supply		16	V
Vcc2	2nd. DC Supply		17	V
Icc	Total current	Z _G = Z _L = 50 Ω	3	A
P _{in(max)}	Input power	Z _G = Z _L = 50 Ω, Vcc1 ≤ 12.5V	100	mW
P _{o(max)}	Output power	Z _G = Z _L = 50 Ω, Vcc1 ≤ 12.5V	12	W
T _{c(OP)}	Operation case temperature	Z _G = Z _L = 50 Ω	-30~110	°C
T _{stg}	Storage temperature		-40~110	°C

ELECTRICAL CHARACTERISTICS (Tc = 25°C unless otherwise noted)

Symbol	Parameter	Test conditions	Limits		Unit
			Min	Max	
f	Frequency range		824	849	MHz
P _o	Output power	Vcc1 = Vcc2 = 12.5V	6		W
η _T	Total efficiency	P _{in} = 30mW	35		%
2fo, 3fo	2nd, 3rd. harmonic	Z _G = Z _L = 50 Ω		-30	dB
ρ _{in}	Input VSWR			2.5	-
-	Load VSWR tolerance	Vcc1 = Vcc2 = 15.2V P _o = 6W (P _{in} : controlled), Z _G = 50Ω Load VSWR=20:1(All phase), 5sec.	www.DataSheet4U.com No degradation		-