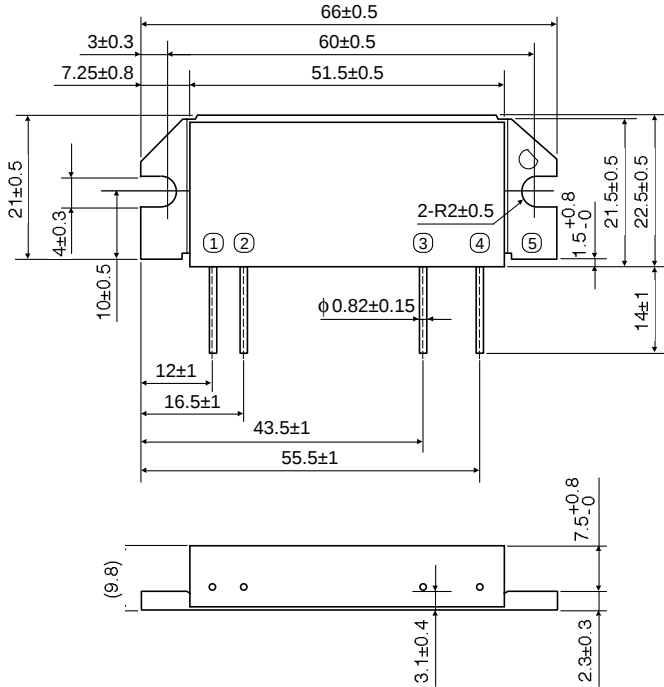


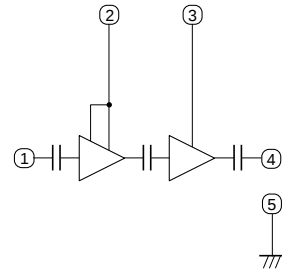
OUTLINE DRAWING

Dimensions in mm



H2

BLOCK DIAGRAM



PIN:

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

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

Symbol	Parameter	Conditions	Ratings	Unit
Vcc	Supply voltage	ZG=ZL=50Ω	17	V
Icc	Total current	ZG=ZL=50Ω	20	A
P _{in} (max)	Input power	f=150-175MHz, ZG=ZL=50Ω, Vcc1≤12.5V	600	mW
P _o (max)	Output power	Ditto	75	W
T _c (OP)	Operation case temperature	Ditto	-30 to +110	°C
T _{stg}	Storage temperature		-40 to +110	°C

Note. Above parameters are guaranteed independently.

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

Symbol	Parameter	Test conditions	Limits		Unit
			Min	Max	
f	Frequency range		150	175	MHz
P _o	Output power	Vcc1=Vcc2=12.5V, P _{in} =300mW, ZG=ZL=50Ω	60		W
η _T	Total efficiency		45		%
2fo	2nd. harmonic			-30	dBc
3fo	3rd. harmonic			-30	dBc
p _{in}	Input VSWR			3	-
-	Load VSWR tolerance	Vcc1=Vcc2=12.5V, P _o =60W (P _{in} :controlled), ZG=50Ω, Load VSWR=8.8:1 (All phase)	No degradation or destroy		-

Note. Above parameters, ratings, limits and test conditions are subject to change.

TYPICAL PERFORMANCE DATA

