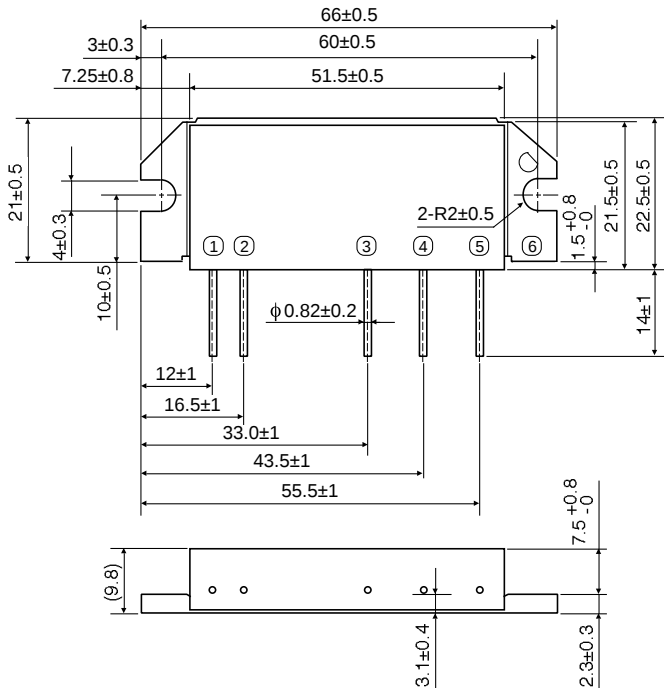


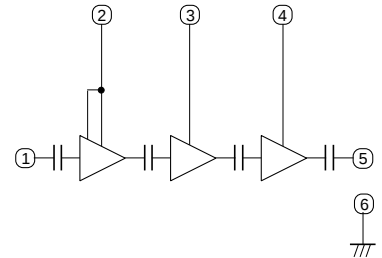
OUTLINE DRAWING

Dimensions in mm



H3

BLOCK DIAGRAM



PIN:

- ①Pin : RF INPUT
- ②Vcc1: 1st. DC SUPPLY
- ③Vcc2: 2nd. DC SUPPLY
- ④Vcc3: 3rd. DC SUPPLY
- ⑤Po : RF OUTPUT
- ⑥GND: FIN

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

Symbol	Parameter	Conditions	Ratings	Unit
Vcc	Supply voltage	Z _G =Z _L =50Ω	17	V
I _{cc}	Total current	Z _G =Z _L =50Ω	10	A
P _{in} (max)	Input power	Z _G =Z _L =50Ω, V _{cc1} ≤12.5V	600	mW
P _o (max)	Output power	Z _G =Z _L =50Ω, V _{cc1} ≤12.5V	40	W
T _c (OP)	Operation case temperature	Z _G =Z _L =50Ω, V _{cc1} ≤12.5V	-30 to +110	°C
T _{stg}	Storage temperature		-40 to +110	°C

Note. Above each maximum ratings are guaranteed independently.

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

Symbol	Parameter	Test conditions	Limits		Unit
			Min	Max	
f	Frequency range		400	450	MHz
P _o	Output power		30		W
η _T	Total efficiency		40		%
2f _o	2nd. harmonic	V _{cc} =12.5V, P _{in} =300mW, Z _G =Z _L =50Ω		-30	dBc
3f _o	3rd. harmonic			-30	dBc
p _{in}	Input VSWR			2.8	-
-	Load VSWR tolerance	V _{cc} =15.2V, P _o =30W (P _{in} :Controlled), Z _G =50Ω, Load VSWR=20:1 (All phase)	No degradation or destroy		-

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

TYPICAL PERFORMANCE DATA

