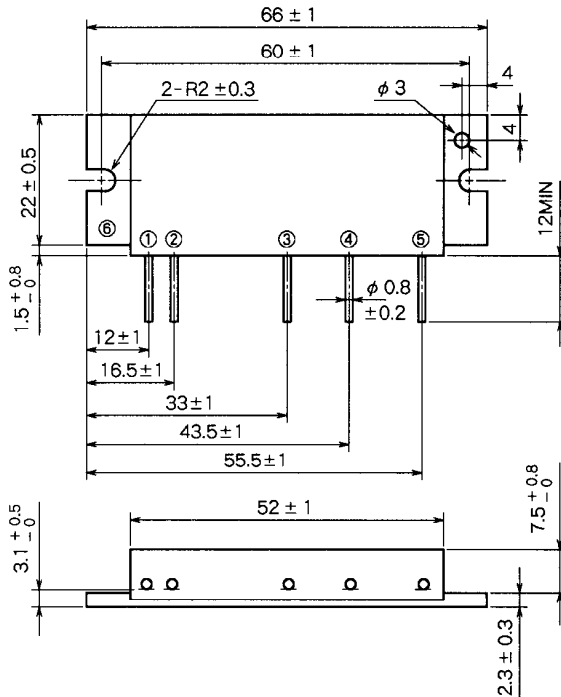


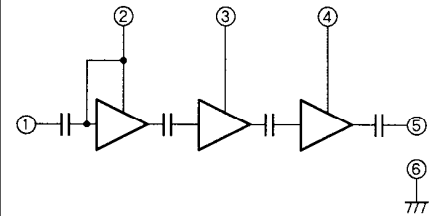
OUTLINE DRAWING

Dimensions in mm



H3

BLOCK DIAGRAM



PIN :

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

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

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

Note. Above parameters are guaranteed independently.

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

Symbol	Parameter	Test conditions	Limits		Unit
			Min	Max	
f	Frequency range	V _{cc1} = V _{cc2} = 12.5V P _{in} = 300mW Z _G = Z _L = 50 Ω	326	346	MHz
P _o	Output power		30		W
η _T	Total efficiency		40		%
2f _o	2nd. harmonic			- 30	dBc
3f _o	3rd. harmonic			- 30	dBc
ρ _{in}	Input VSWR			3.3	-
-	Load VSWR tolerance	V _{cc1} = V _{cc2} = 15.2V P _o = 30W (P _{in} : controlled) Load VSWR ≥ 20:1 (All phase), Z _G = 50Ω	No degradation or destroy		-

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