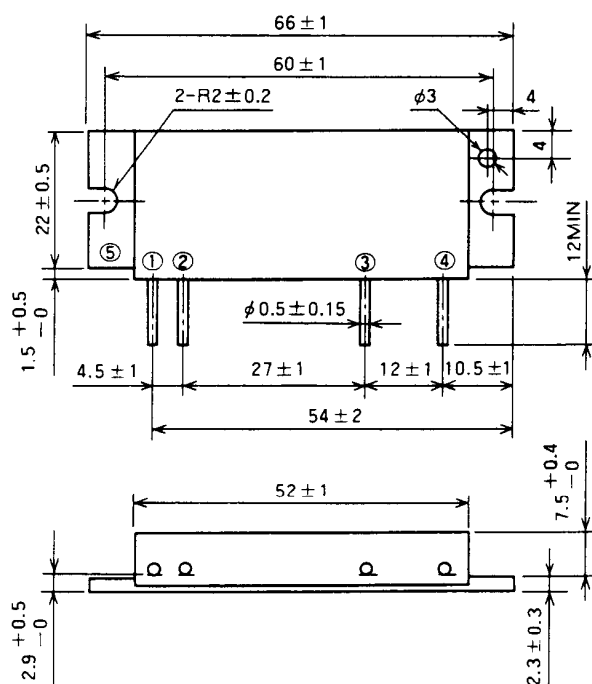


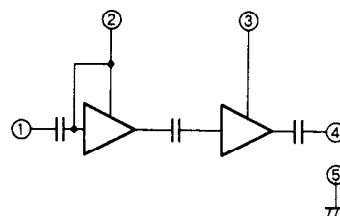
OUTLINE DRAWING

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 (T_c = 25°C unless otherwise noted)

Symbol	Parameter	Conditions	Ratings	Unit
V _{CC}	Supply voltage		17	V
I _{CC}	Total current		5	A
P _{in(max)}	Input power	Z _G = Z _L = 50 Ω	0.4	W
P _{o(max)}	Output power	Z _G = Z _L = 50 Ω	12	W
T _{C(OP)}	Operation case temperature		− 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	$P_{in} = 0.2W$ $V_{CC} = 12.5V$ $Z_G = Z_L = 50 \Omega$	145	175	MHz
P _o	Output power		8		W
η_T	Total efficiency		35		%
2f _o	2nd. harmonic			- 15	dBc
3f _o	3rd. harmonic			- 25	dBc
ρ_{in}	Input VSWR			4	-
-	Load VSWR tolerance	$V_{CC} = 15.2V$, $P_o = 12W$ (P_{in} : controlled) Load VSWR=20:1 (All phase), 2sec. $Z_G = 50\Omega$	No degradation or destroy		-

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