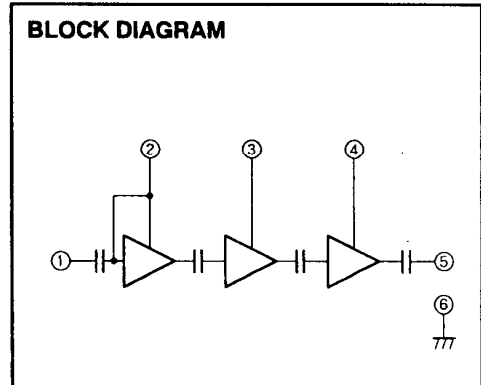
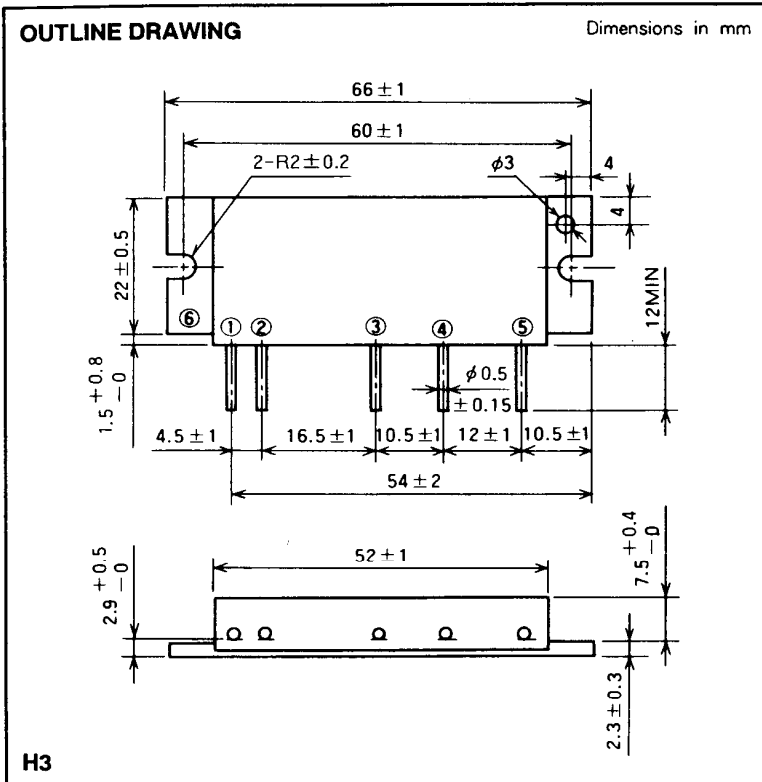


M57704UL

380-400MHz, 12.5V, 13W, FM MOBILE RADIO



- 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		17	V
Icc	Total current		5	A
Pin(max)	Input power	Z _G = Z _L = 50 Ω	0.4	W
Po(max)	Output power	Z _G = Z _L = 50 Ω	20	W
Tc(OP)	Operation case temperature		- 30 to 110	°C
Tstg	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	P _{in} = 0.2W V _{cc} = 12.5V Z _G = Z _L = 50 Ω	380	400	MHz
Po	Output power		13		W
η _T	Total efficiency		35		%
2fo	2nd. harmonic			- 30	dBc
ρ _{in}	Input VSWR			2.8	-
-	Load VSWR tolerance	V _{cc} = 15.2V, P _o = 14W (P _{in} : controlled) Load VSWR=20:1 (All phase), 2sec. Z _G = 50 Ω	No degradation or destroy		-

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