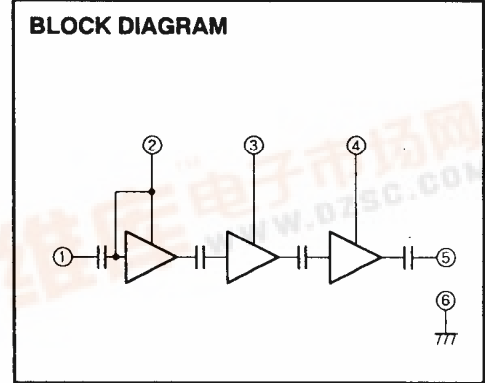
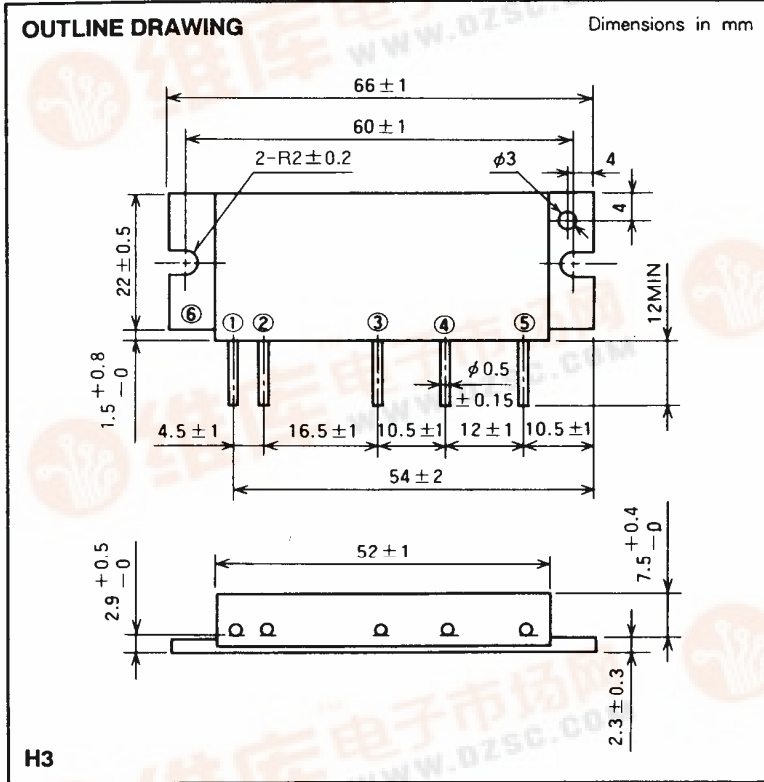


# M57704UL

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



- 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** (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	ZG = ZL = 50 Ω	0.4	W
Po(max)	Output power	ZG = ZL = 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		380	400	MHz	
Po	Output power	Pin = 0.2W Vcc = 12.5V ZG = ZL = 50 Ω	13		W	
ητ	Total efficiency		35		%	
2fo	2nd. harmonic			- 30		dBc
ρin	Input VSWR			2.8		-
-	Load VSWR tolerance	Vcc = 15.2V, Po = 14W (Pin : controlled) Load VSWR=20:1(All phase), 2sec. ZG = 50 Ω	No degradation or destroy		-	

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