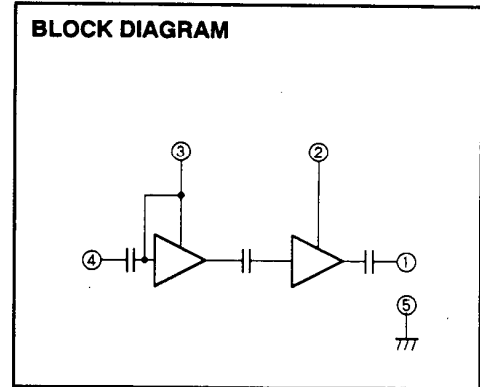
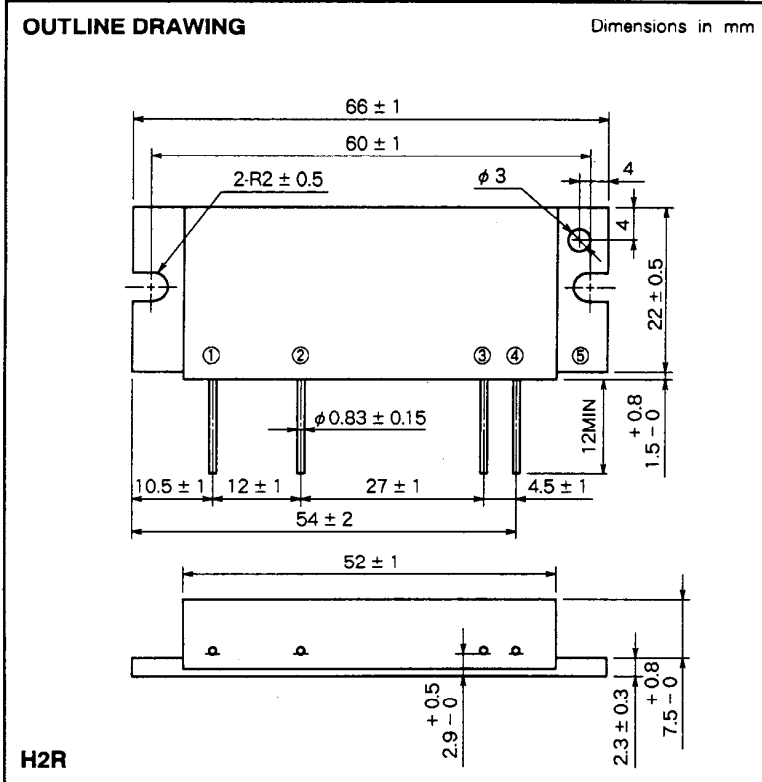


M57726R

144-148MHz, 12.5V, 43W, FM MOBILE RADIO



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

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

Symbol	Parameter	Conditions	Ratings	Unit
Vcc	Supply voltage		17	V
Icc	Total current		14	A
Pin(max)	Input power	Z _G = Z _L = 50 Ω	0.6	W
PO(max)	Output power	Z _G = Z _L = 50 Ω	55	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	Pin = 0.3W Vcc = 12.5V Z _G = Z _L = 50 Ω	144	148	MHz
Po	Output power		43		W
η _T	Total efficiency		50		%
2fo	2nd. harmonic			- 35	dBc
3fo	3rd. harmonic			- 45	dBc
ρ _{in}	Input VSWR			2.8	-
-	Load VSWR tolerance	Vcc = 15.2V, Po = 45W (Pin : controlled) Load VSWR=20:1 (All phase), 5sec. Z _G = 50Ω	No degradation or destroy		-

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