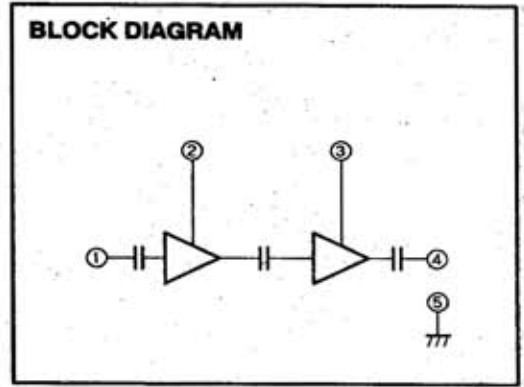
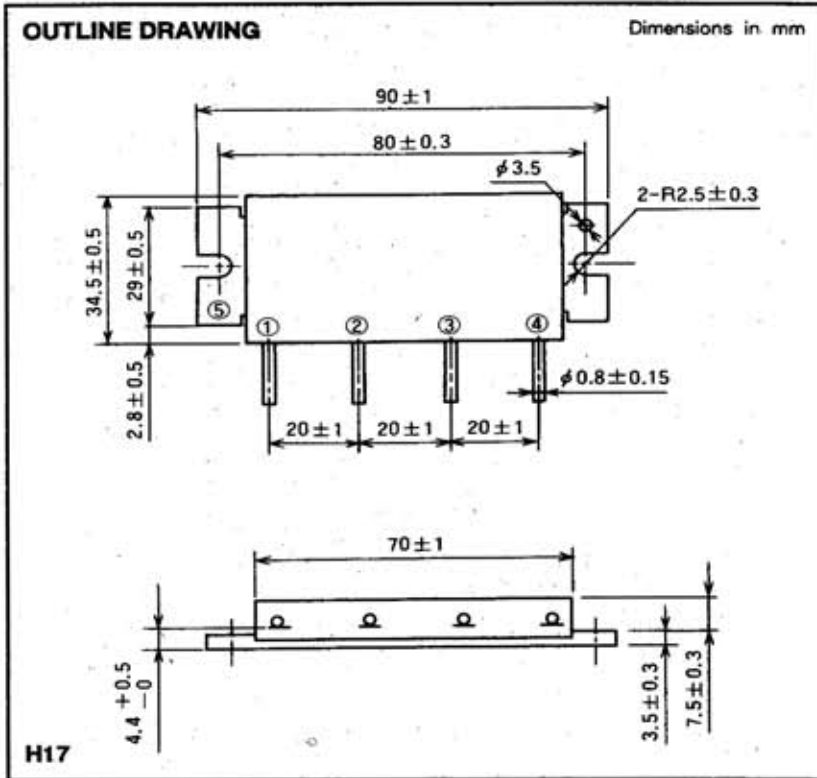


M67703SH

490-512MHz, 12.5V, 50W, FM MOBILE RADIO



- PIN :
- ① Pin : RF INPUT
 - ② Vcc1 : 1st. DC SUPPLY
 - ③ Vcc2 : 2nd. DC SUPPLY
 - ④ Po : RF OUTPUT
 - 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		25	A
P _{In(max)}	Input power	Z _G = Z _L = 50 Ω	18	W
P _{O(max)}	Output power	Z _G = Z _L = 50 Ω	80	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 (Tc = 25°C unless otherwise noted)

Symbol	Parameter	Test conditions	Limits		Unit
			Min	Max	
f	Frequency range	P _{in} = 10W V _{cc} = 12.5V Z _G = Z _L = 50 Ω	490	512	MHz
P _o	Output power		50		W
η _T	Total efficiency		40		%
2fo	2nd. harmonic			- 30	dBc
3fo	3rd. harmonic			- 35	dBc
ρ _{in}	Input VSWR			2.8	-
-	Load VSWR tolerance		V _{cc} = 15.2V P _o = 50W (P _{in} : controlled) Load VSWR=8.8:1 (All phase), 2sec. Z _G = 50 Ω	No degradation or destroy	

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