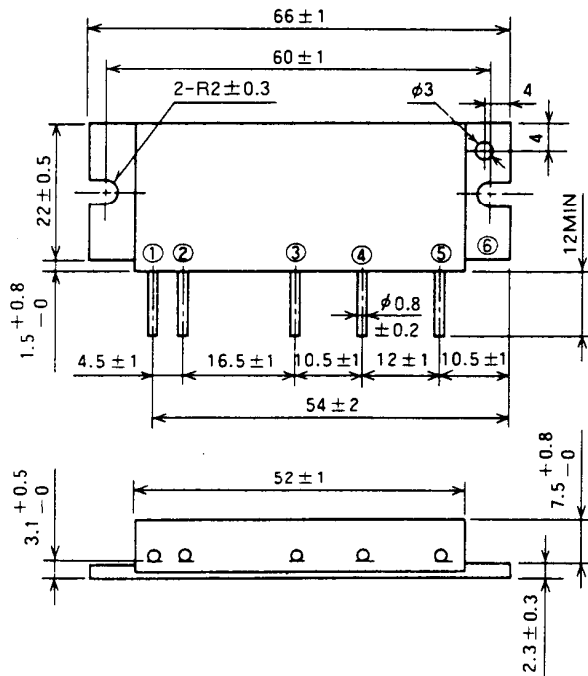




①Pin : RF INPUT
②Vcc1 : 1st. DC SUPPLY
③Vcc2 : 2nd. DC SUPPLY
④Vcc3 : 3rd. DC SUPPLY
⑤Po : RF OUTPUT
⑥GND : FIN

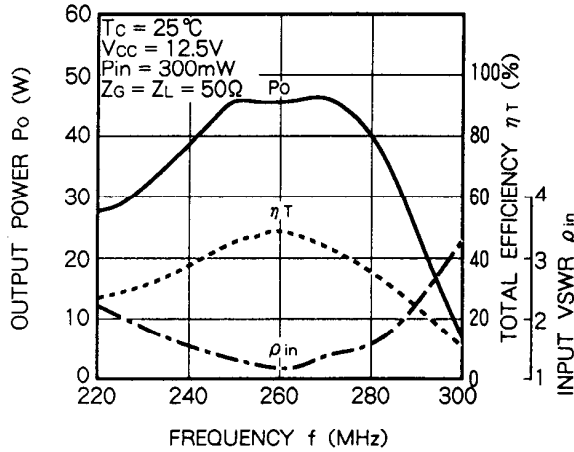
Symbol	Parameter	Conditions	Ratings	Unit
V _{CC}	Supply voltage		17	V
I _{CC}	Total current		10	A
P _{in(max)}	Input power	V _{CC1} ≤ 12.5V, Z _G = Z _L = 50 Ω	600	mW
P _{o(max)}	Output power	Z _G = Z _L = 50 Ω	40	W
T _{C(OP)}	Operation case temperature	Z _G = Z _L = 50 Ω	- 30 to 110	°C
T _{stg}	Storage temperature		- 40 to 110	°C

Symbol	Parameter	Test conditions	Limits		Unit
			Min	Max	
f	Frequency range	$V_{CC} = 12.5V$ $P_{in} = 300mW$ $Z_G = Z_L = 50\Omega$	250	270	MHz
P_o	Output power		30		W
η_T	Total efficiency		40		%
2fo	2nd. harmonic			- 30	dBc
3fo	3rd. harmonic			- 30	dBc
ρ_{in}	Input VSWR			2.8	-
-	Load VSWR tolerance	$V_{CC} = 15.2V$ $P_o = 30W (P_{in} : \text{controlled})$ Load VSWR = 20 : 1 (All phase), $Z_G = 50\Omega$	No degradation or destroy		-

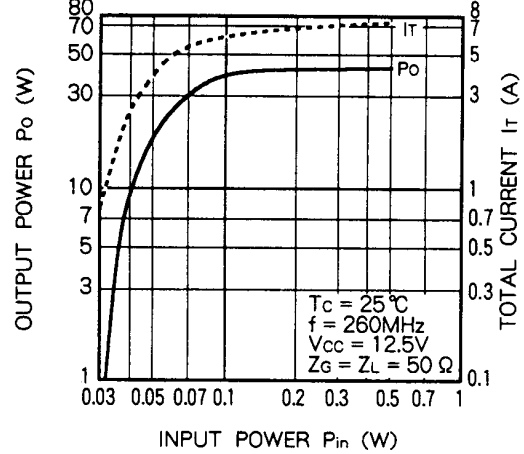
NOV. ' 97

TYPICAL PERFORMANCE DATA

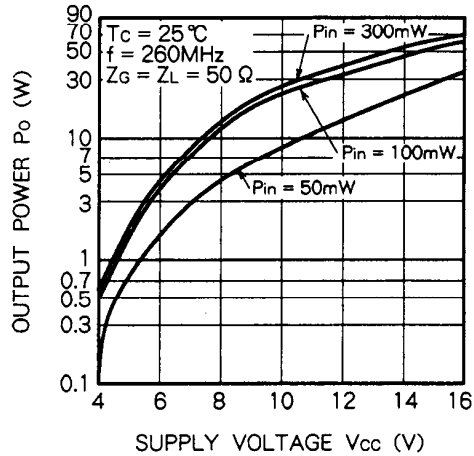
OUTPUT POWER, TOTAL EFFICIENCY,
INPUT VSWR VS. FREQUENCY CHARACTERISTICS



OUTPUT POWER, TOTAL CURRENT
VS. INPUT POWER CHARACTERISTICS



OUTPUT POWER VS.
SUPPLY VOLTAGE CHARACTERISTICS



OUTPUT POWER VS.

1st SUPPLY VOLTAGE CHARACTERISTICS

