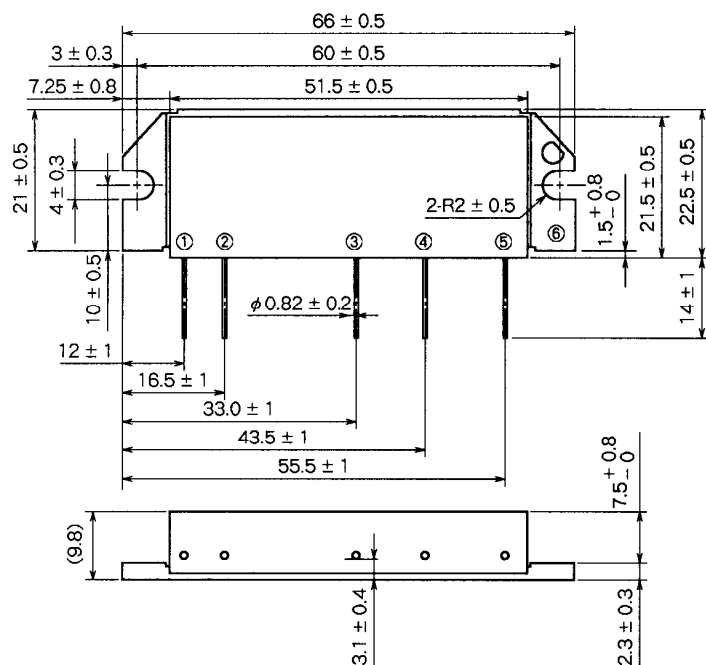


M57788M

OUTLINE DRAWING

Dimensions in mm



H3

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

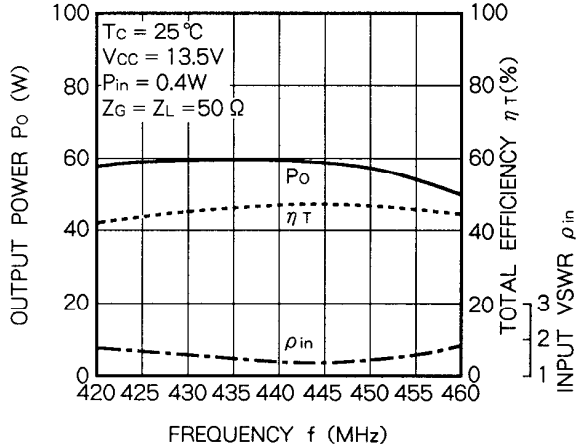
Symbol	Parameter	Conditions	Ratings	Unit
V _{CC1}	Supply voltage		16	V
V _{CC2,3}			17	V
I _{CC}	Total current		12	A
P _{in(max)}	Input power	Z _G = Z _L = 50 Ω	0.6	W
P _{O(max)}	Output power	Z _G = Z _L = 50 Ω	50	W
T _{C(OP)}	Operation case temperature		- 30 to 110	°C
T _{stg}	Storage temperature		- 40 to 110	°C

Symbol	Parameter	Test conditions	Limits		Unit
			Min	Max	
f	Frequency range	$P_{in} = 0.4W$ $V_{CC} = 13.5V$ $Z_G = Z_L = 50 \Omega$	430	450	MHz
P _o	Output power		45		W
η_T	Total efficiency		40		%
2f _o	2nd. harmonic			- 30	dBc
3f _o	3rd. harmonic			- 30	dBc
ρ_{in}	Input VSWR			3.0	-
-	Load VSWR tolerance	$V_{CC} = 15.2V$, $P_o = 45W$ (P_{in} : controlled) Load VSWR=8.8:1 (All phase), $Z_G = 50 \Omega$	No degradation or destroy		-

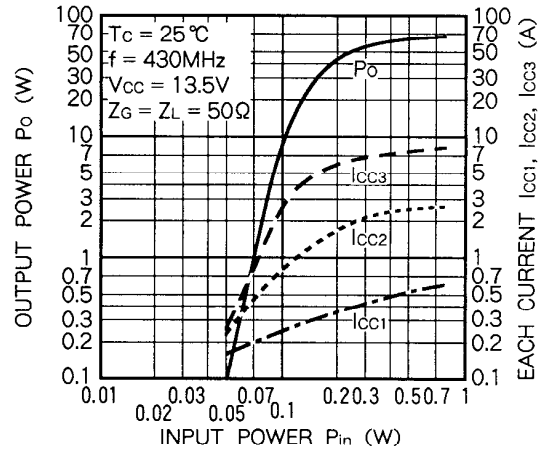
NOV. ' 97

TYPICAL PERFORMANCE DATA

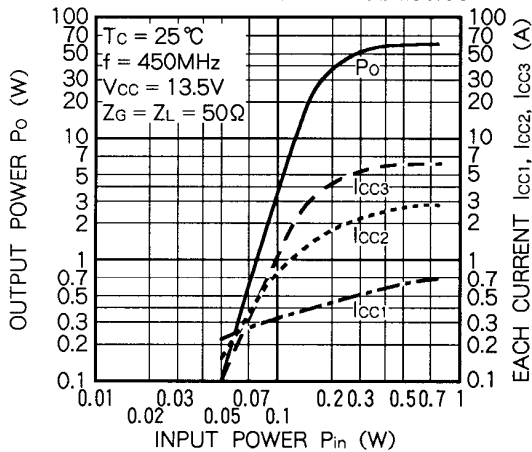
OUTPUT POWER, TOTAL EFFICIENCY,
INPUT VSWR VS. FREQUENCY CHARACTERISTICS



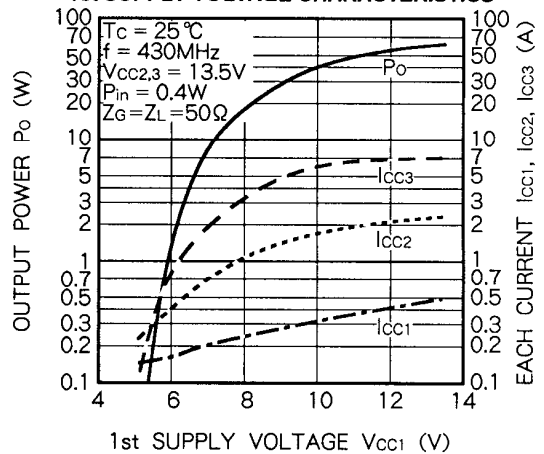
OUTPUT POWER, EACH CURRENT
VS. INPUT POWER CHARACTERISTICS



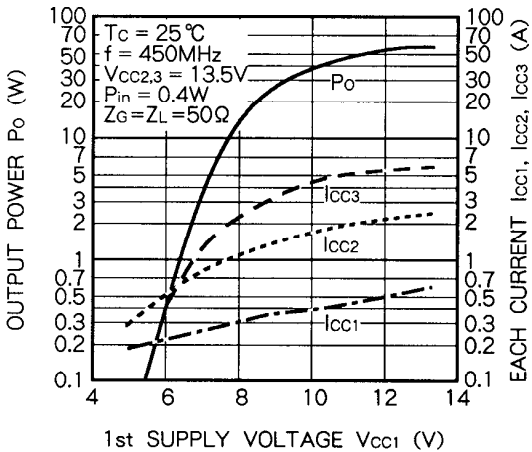
OUTPUT POWER, EACH CURRENT
VS. INPUT POWER CHARACTERISTICS



OUTPUT POWER, EACH CURRENT VS.
1st SUPPLY VOLTAGE CHARACTERISTICS



OUTPUT POWER, EACH CURRENT VS.
1st SUPPLY VOLTAGE CHARACTERISTICS



OUTPUT POWER, EACH CURRENT
VS. SUPPLY VOLTAGE CHARACTERISTICS

