

- PIN :
- ①Pin : RF INPUT
 - ②Vcc1 : 1st. DC SUPPLY
 - ③VBB : BASE BIAS SUPPLY
 - ④Vcc2 : 2nd. DC SUPPLY
 - ⑤Po : RF OUTPUT
 - ⑥GND : FIN

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

Symbol	Parameter	Conditions	Ratings	Unit
Vcc1, 2	Supply voltage		17	V
VBB	Base bias		10	V
Icc	Total current		8	A
Pin(max)	Input power	Vcc1=12.5V, VBB=9V, ZG=ZL=50Ω	2	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

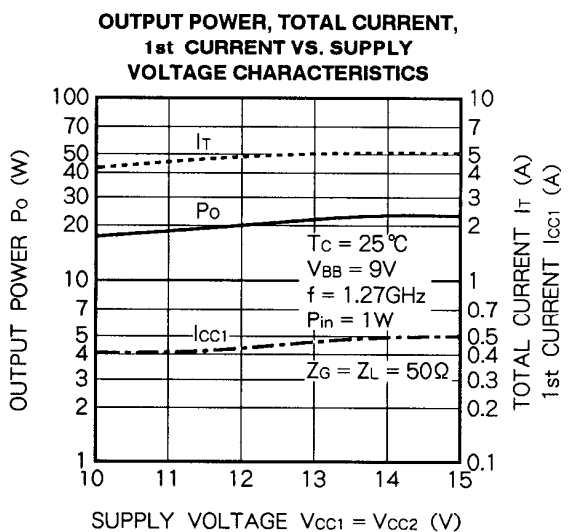
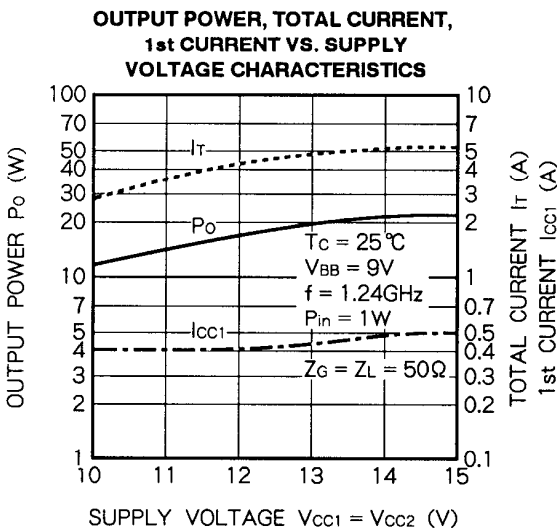
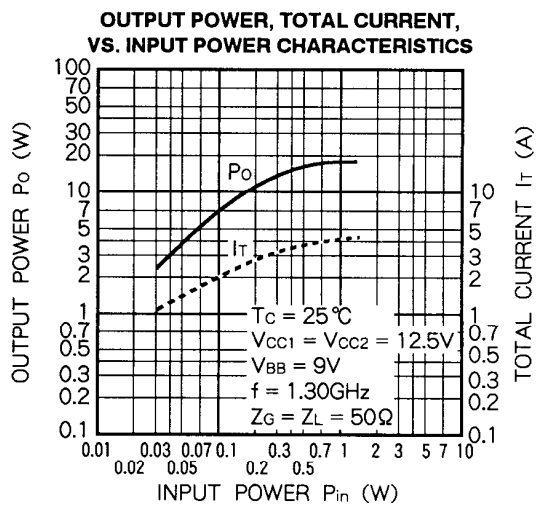
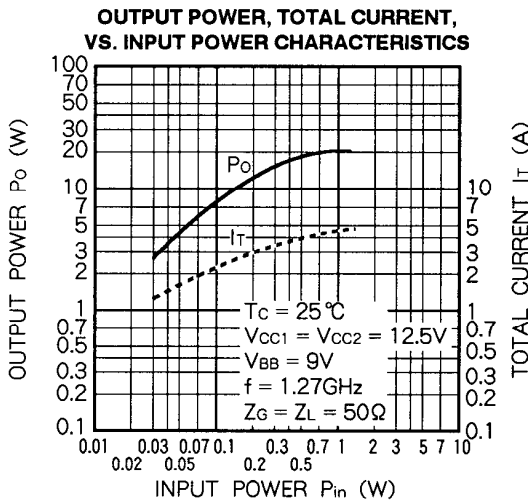
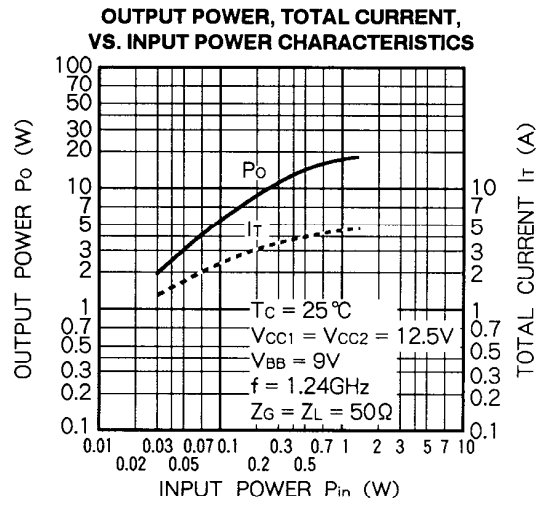
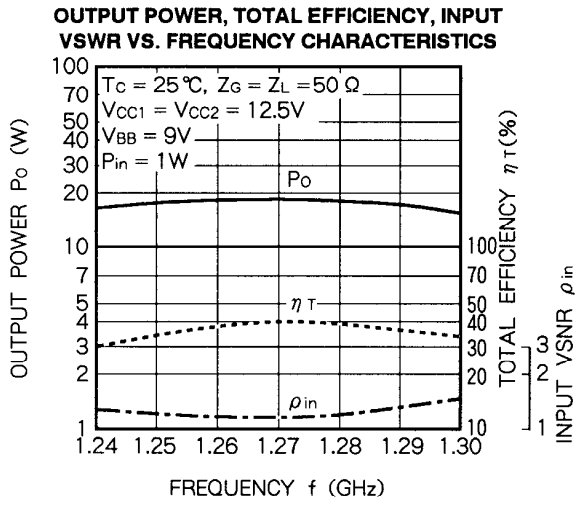
Note. Above parameters are guaranteed independently.

ELECTRICAL CHARACTERISTICS (Tc = 25 °C unless otherwise noted)

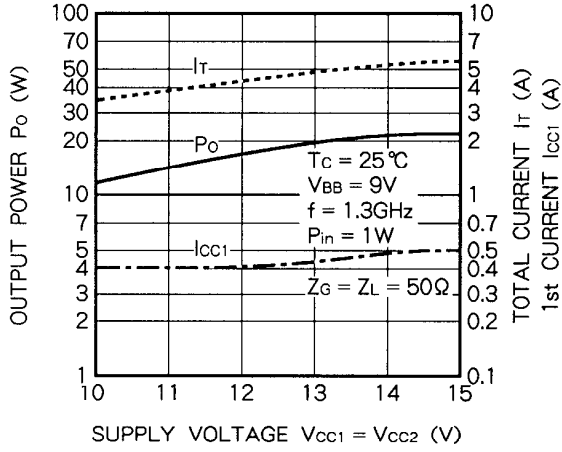
Symbol	Parameter	Test conditions	Limits		Unit
			Min	Max	
f	Frequency range	Vcc1 = Vcc2 = 12.5V VBB = 9V Pin = 1W ZG = ZL = 50 Ω	1240	1300	MHz
Po	Output power		16		W
η T	Total efficiency		28		%
2fo	2nd.. harmonic			- 45	dBc
ρin	Input VSWR			2.0	-
-	Load VSWR tolerance	Vcc1 = Vcc2 = 15.2V, VBB = 9V Po = 16W (Pin : controlled) Load VSWR=16:1(All phase)	No degradation or destroy		-

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

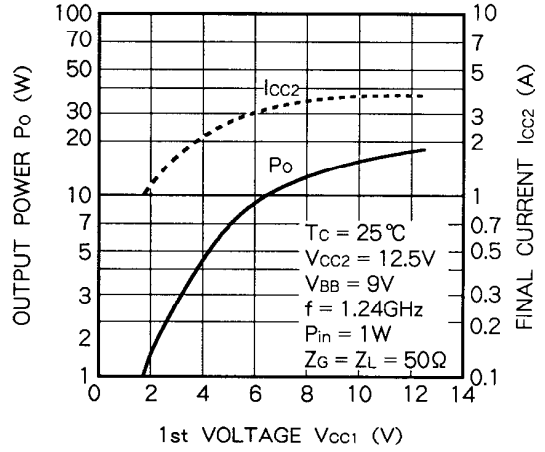
TYPICAL PERFORMANCE DATA



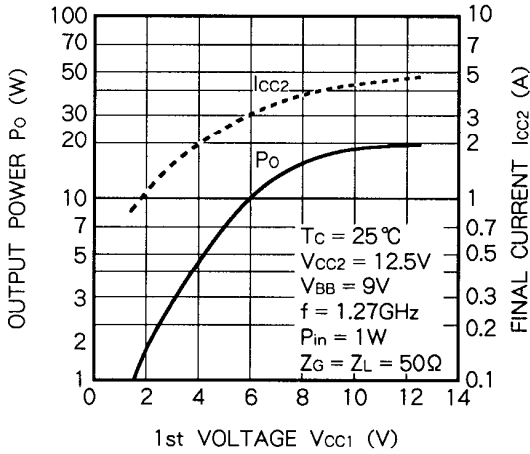
**OUTPUT POWER, TOTAL CURRENT,
1st CURRENT VS. SUPPLY
VOLTAGE CHARACTERISTICS**



**OUTPUT POWER, FINAL CURRENT VS.
1st VOLTAGE CHARACTERISTICS**



**OUTPUT POWER, FINAL CURRENT VS.
1st VOLTAGE CHARACTERISTICS**



**OUTPUT POWER, FINAL CURRENT VS.
1st VOLTAGE CHARACTERISTICS**

