

RF MOSFET Amplifier Module 330 MHz-400 MHz

AMP- 3340/7

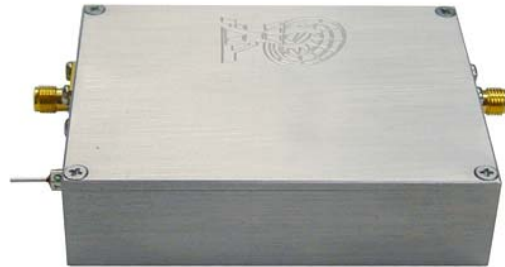
Power Output 7 W

Features

- Wireless Data, Satellite Terminals

Applications

- PA Driver Amplifier
- Cellular, PCS, GSM, UMTS
- Wideband Instrumentation
- Wireless Data, Satellite Terminals



Electrical Characteristics (Tcase=+25 °C, Z G=ZL=50W, unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
f	Frequency Range		330	-	400	MHz
P _{out}	Output Power	V _{DD} =7.2V, V _{GG} =3.5V, P _{in} =50mW	7.0	-	-	W
τ	Total Efficiency	P _{out} =6.5W (V _{GG} control), V _{DD} =7.2V, P _{in} =50mW	40	-	-	%
2f _o	2 nd Harmonic		-	-	-25	dBc
in	Input VSWR		-	-	4:1	—
I _{GG}	Gate Current		-	1	-	mA
—	Stability	V _{DD} =4.0-9.2V, P _{in} =25-70mW, P _{out} <8W (V _{GG} control) Load VSWR=4:1	No parasitic oscillation			—
—	Load VSWR Tolerance	V _{DD} =9.2V, P _{in} =50mW, P _{out} =7W (V _{GG} control), Load VSWR=20:1	No degradation or destroy			—

TYPICAL PERFORMANCE ($T_{case}=+25^{\circ}C$, $Z_G=Z_L=50\Omega$, unless otherwise specified)

