

RF MOSFET Amplifier Module 135 MHz-175 MHz

AMP- 1317/7

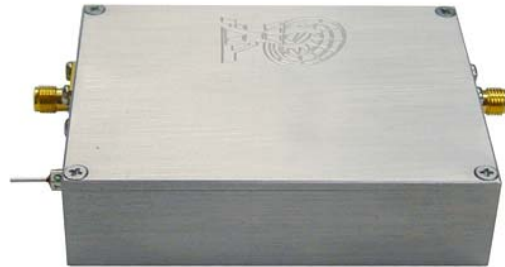
Power Output 7 W

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 | | 135 | - | 175 | MHz |
| P _{out} | Output Power | V _{DD} =7.2V, V _{GG} =3.5V, P _{in} =20mW | 7.0 | - | - | W |
| τ | Total Efficiency | P _{out} =7W (V _{GG} control), V _{DD} =7.2V, P _{in} =20mW | 45 | - | - | % |
| 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} =10-30mW, P _{out} <8W (V _{GG} control) Load VSWR=4:1 | No parasitic oscillation | | | — |
| — | Load VSWR Tolerance | V _{DD} =9.2V, P _{in} =20mW, 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)

