

## 2 ~ 6GHz 24dB Gain 23dBm Power Amplifier

### FEATURES

- $P_{1dB}$ : 23dBm, min.
- Small Signal Gain: 24dB, min.
- Bias Condition: 250mA @ 12 V

### ELECTRICAL SPECIFICATIONS (Specified at 25C)

| SYMBOL    | DESCRIPTION                                | MIN | TYP  | MAX   | UNITS |
|-----------|--|-----|------|-------|-------|
| FREQ      | Frequency Range                            | 2   |      | 6     | GHz   |
| SSG       | Small Signal Gain                          | 24  | 26   |       | dB    |
| GOF       | Small Signal Gain Flatness                 |     | ±0.6 | ±0.8  | dB    |
| NF        | Noise Figure                               |     | 4.5  |       | dB    |
| $P_{1dB}$ | Output Power at 1 dB Gain Compression      | 23  |      |       | dBm   |
| IP3       | The Third Intercept Point                  |     | 33   |       | dBm   |
| VSWR, IN  | Input VSWR                                 |     |      | 2 : 1 | ----- |
| VSWR, OUT | Output VSWR                                |     |      | 2 : 1 | ----- |
| Vdc       | DC Supply Voltage(with built-in regulator) | 11  | 12   | 15    | Volt  |
| Idc       | Current Supply                             |     | 250  |       | mA    |
| OTR       | Operating Temperature Range                | -30 |      | 70    | °C    |

Housing: HG3, with SMA female removable connectors, unit is inch

