

## 0.01 ~ 0.5 MHz 25dB Gain 16dBm Power Amplifier

### FEATURES

- P<sub>1dB</sub>: 16dBm, min.
- Small Signal Gain: 25dB, min.
- Bias Condition: 100mA @ 12 V

### ELECTRICAL SPECIFICATIONS (Specified at 25C)

| SYMBOL           | DESCRIPTION                                | MIN  | TYP   | MAX   | UNITS |
|------------------|--------------------------------------------|------|-------|-------|-------|
| FREQ             | Frequency Range                            | 0.01 |       | 0.5   | GHz   |
| SSG              | Small Signal Gain                          | 25   | 27    |       | dB    |
| GOF              | Small Signal Gain Flatness                 |      | ±0.5  |       | dB    |
| NF               | Noise Figure                               |      | 3.8   |       | dB    |
| P <sub>1dB</sub> | Output Power at 1 dB Gain Compression      | 16   | 18    |       | dBm   |
| VSWR, IN         | Input VSWR                                 |      | 1.8:1 | 2 : 1 | ----- |
| VSWR, OUT        | Output VSWR                                |      | 1.8:1 | 2 : 1 | ----- |
| Vdc              | DC Supply Voltage(with built-in regulator) | 11   | 12    | 15    | Volt  |
| Idc              | Current Supply                             |      | 100   |       | mA    |
| OTR              | Operating Temperature Range                | -30  |       | 70    | °C    |

Housing: HZ8, with SMA female removable connectors, unit is inch

