

## 2 ~ 6GHz 33dBm Power Amplifier

### FEATURES

- $P_{1dB}$ : 33dBm, min.
- Small Signal Gain: 30dB, min.
- Bias Condition: 1800mA @ 12 V

### ELECTRICAL SPECIFICATIONS (Specified at 25C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
<b>FREQ</b>	<b>Frequency Range</b>	<b>2</b>		<b>6</b>	<b>GHz</b>
<b>SSG</b>	<b>Small Signal Gain</b>	<b>30</b>	<b>33</b>		<b>dB</b>
<b>GOF</b>	<b>Small Signal Gain Flatness</b>		<b>±0.6</b>		<b>dB</b>
<b>NF</b>	<b>Noise Figure</b>		<b>4.5</b>		<b>dB</b>
<b><math>P_{1dB}</math></b>	<b>Output Power at 1 dB Gain Compression</b>	<b>33</b>			<b>dBm</b>
<b>IP3</b>	<b>The Third Intercept Point</b>		<b>43</b>		<b>dBm</b>
<b>VSWR, IN</b>	<b>Input VSWR</b>			<b>2 : 1</b>	<b>-----</b>
<b>VSWR, OUT</b>	<b>Output VSWR</b>			<b>2 : 1</b>	<b>-----</b>
<b>Vdc</b>	<b>DC Supply Voltage(with built-in regulator)</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>Volt</b>
<b>Idc</b>	<b>Current Supply</b>		<b>1800</b>		<b>mA</b>
<b>OTR</b>	<b>Operating Temperature Range</b>	<b>-30</b>		<b>70</b>	<b>°C</b>

Housing: HA24, with SMA female removable connectors, unit is inch

