

## 2 ~ 6GHz 24dB Gain 21dBm Power Amplifier

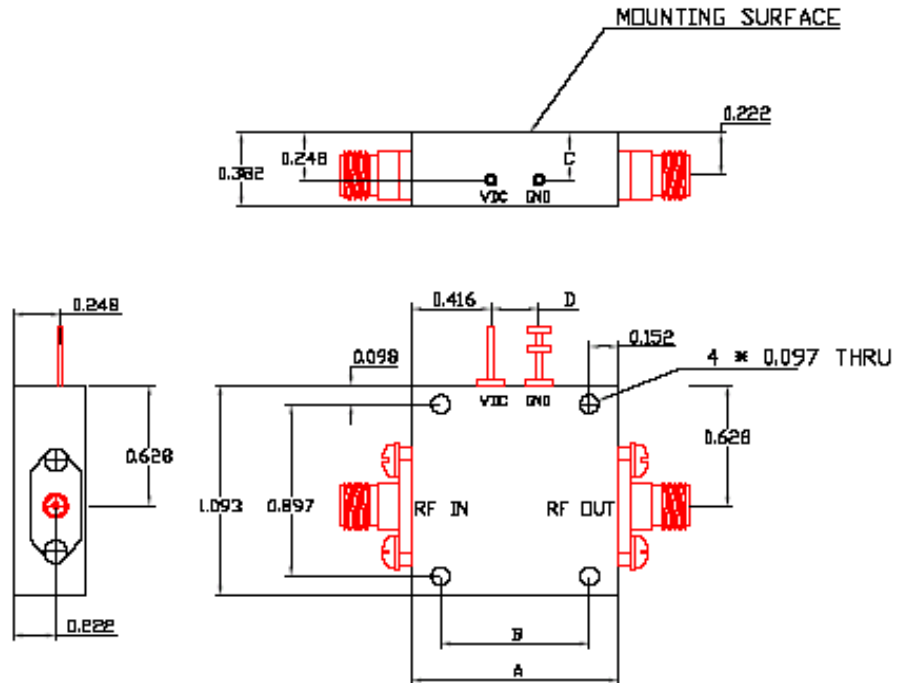
### FEATURES

- $P_{1dB}$ : 21dBm, min.
- Small Signal Gain: 24dB, min.
- Bias Condition: 150mA @ 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>24</b>	<b>26</b>		<b>dB</b>
<b>GOF</b>	<b>Small Signal Gain Flatness</b>		<b>±0.6</b>	<b>±0.8</b>	<b>dB</b>
<b>NF</b>	<b>Noise Figure</b>		<b>3.6</b>		<b>dB</b>
<b><math>P_{1dB}</math></b>	<b>Output Power at 1 dB Gain Compression</b>	<b>21</b>			<b>dBm</b>
<b>IP3</b>	<b>The Third Intercept Point</b>		<b>31</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>15</b>	<b>Volt</b>
<b>Idc</b>	<b>Current Supply</b>		<b>150</b>		<b>mA</b>
<b>OTR</b>	<b>Operating Temperature Range</b>	<b>-30</b>		<b>70</b>	<b>°C</b>

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



DIM CASE	A	B	C	D
HG2	0.841	0.537	0.080	0.13
HG3	1.083	0.779	0.248	0.25
HG4	1.333	1.029	0.248	0.25
HG5	1.583	1.279	0.248	0.25
HG6	1.833	1.529	0.248	0.25