

## 2 ~ 6GHz 35dB Gain +23dBm Power Amplifier

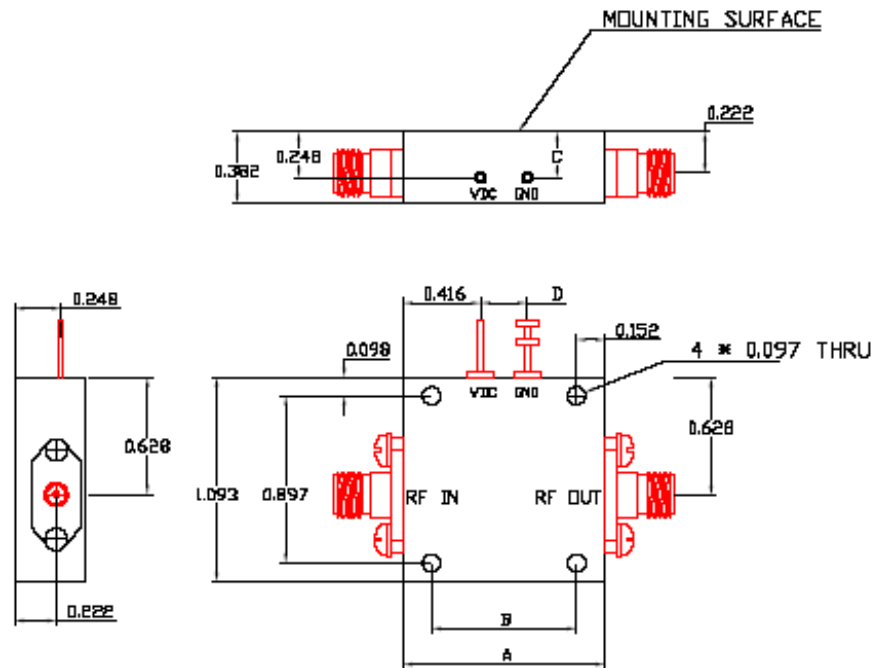
### FEATURES

- P<sub>1dB</sub>: +23dBm, min.
- Small Signal Gain: 35dB, min.
- Bias Condition: 300mA @ 12 V

### ELECTRICAL SPECIFICATIONS (Specified at 25C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
<b>FREQ</b>	Frequency Range	2		6	GHz
<b>SSG</b>	Small Signal Gain	35	39		dB
<b>GOF</b>	Small Signal Gain Flatness		±0.8		dB
<b>NF</b>	Noise Figure		4.5		dB
<b>P<sub>1dB</sub></b>	Output Power at 1 dB Gain Compression	+23			dBm
<b>IP3</b>	The Third Intercept Point		+33		dBm
<b>VSWR, IN</b>	Input VSWR			2 : 1	-----
<b>VSWR, OUT</b>	Output VSWR			2 : 1	-----
<b>Vdc</b>	DC Supply Voltage(with built-in regulator)	+11	+12	+15	Volt
<b>Idc</b>	Current Supply		300		mA
<b>OTR</b>	Operating Temperature Range	-30		70	°C

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