

## 6.0 – 12.0 GHz 27dBm Amplifiers

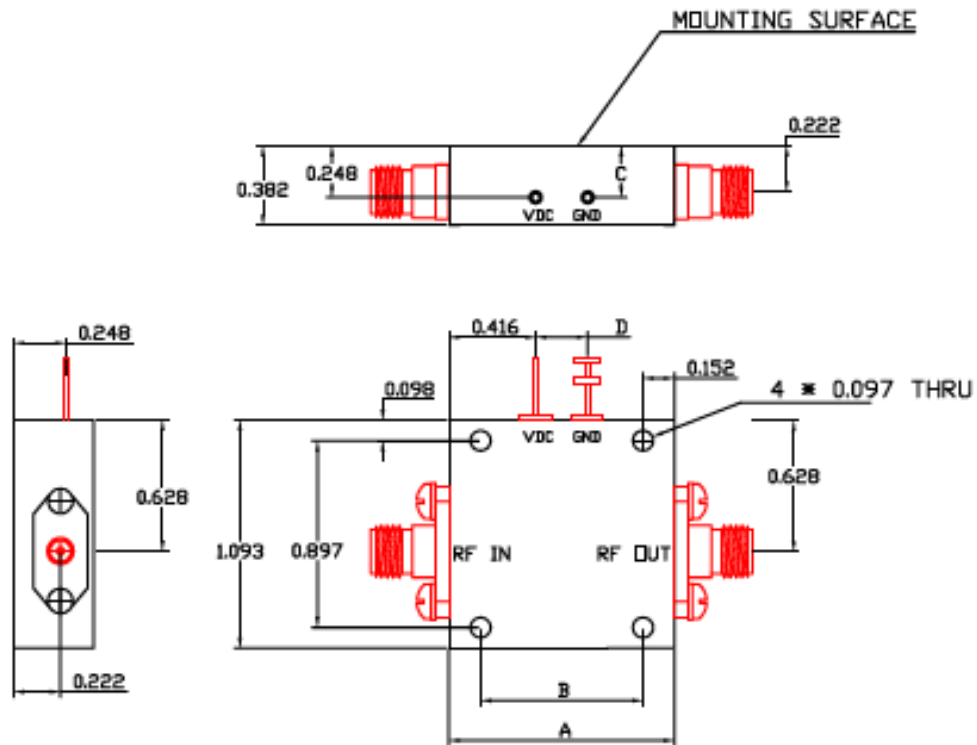
### FEATURES

- P<sub>-1</sub> dB: 27dBm(min.)
- Noise Figure: 5.0dB
- Bias Condition: 500mA @ 12 V
- Small Signal Gain: 25dB(min.)

### ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	Frequency Range	6		12	GHz
<b>SSG</b>	Small Signal Gain	25	28		dB
<b>GOF</b>	Small Signal Gain Flatness		± 0.8	± 1.0	dB
<b>P<sub>-1</sub> dB</b>	Output Power at 1 dB Gain Compression	27			dBm
<b>IP3</b>	The 3 <sup>rd</sup> intercept Point	37			
<b>NF</b>	Noise Figure		5.0		dB
<b>VSWR, IN</b>	Input VSWR			2.0:1	-
<b>VSWR, OUT</b>	Output VSWR			2.0:1	-
<b>Vdc</b>	DC Supply Voltage(internal regulator included)	11	12	15	Volt
<b>Idc</b>	Current Supply		500	550	mA
<b>OTR</b>	Operating Temperature Range	-30		70	°C

**CASE: HG4, as shown attached, unit is in 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