

## 2.0 – 6.0 GHz 30dBm Amplifiers

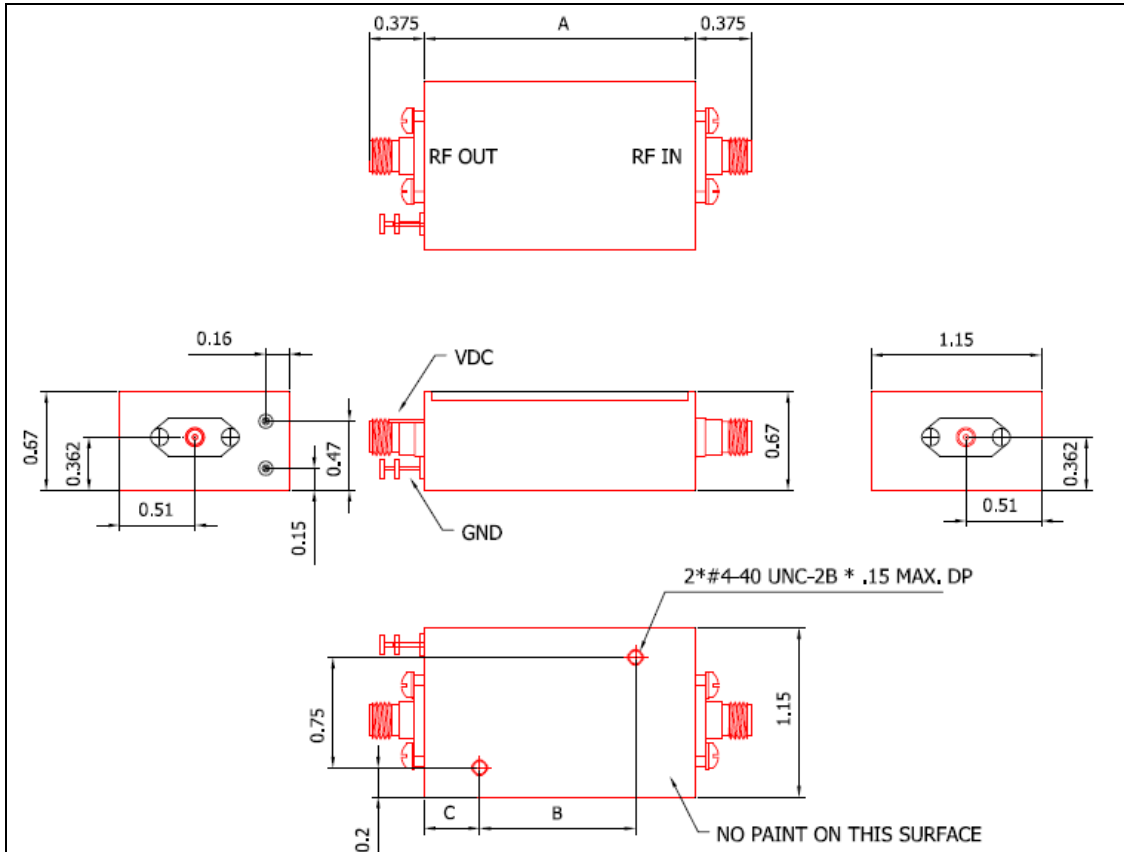
### FEATURES

- P<sub>-1</sub> dB: 30dBm(min.)
- Noise Figure: 4.5dB
- Bias Condition: 1.1 A @ 12 V
- Small Signal Gain: 40dB(min.)

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

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	Frequency Range	2		6	GHz
<b>SSG</b>	Small Signal Gain	40	44		dB
<b>GOF</b>	Small Signal Gain Flatness		± 0.8		dB
<b>P<sub>-1</sub> dB</b>	Output Power at 1 dB Gain Compression	30			dBm
<b>IP3</b>	The 3 <sup>rd</sup> intercept Point		40		
<b>NF</b>	Noise Figure		4.5		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		1.1		A
<b>OTR</b>	Operating Temperature Range	-30		70	°C

**CASE: HC6, as shown attached, unit is in inch.**



CASE	"A" DIM	"B" DIM	"C" DIM
3	1.087	0.500	0.375
4	1.337	0.750	0.375
5	1.587	1.000	0.375
51	1.750	1.125	0.375
6	1.837	1.250	0.418
61	1.837	1.250	0.375
7	2.087	1.500	0.418
71	2.250	1.750	0.250