

2.0 – 6.0 GHz 30dBm Amplifiers

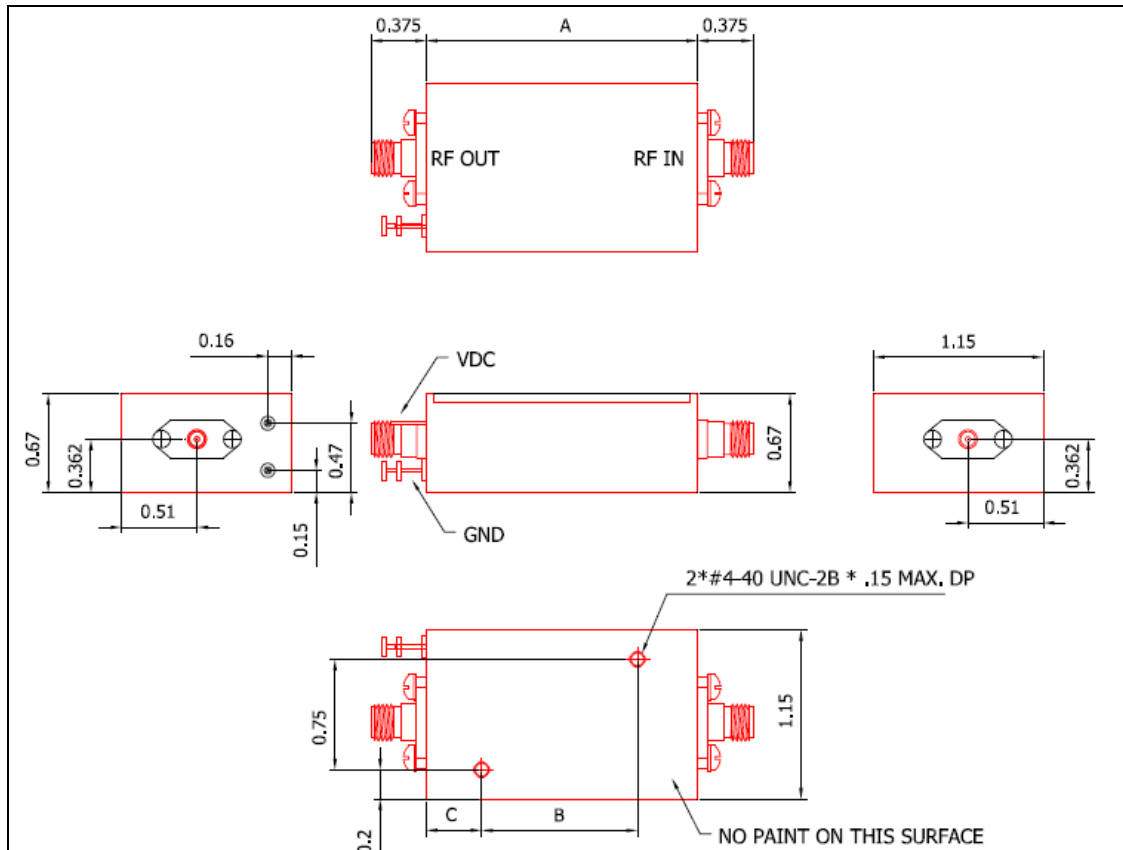
FEATURES

- $P_{1\text{dB}}$: 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
FREQ	Frequency Range	2		6	GHz
SSG	Small Signal Gain	40	44		dB
GOF	Small Signal Gain Flatness		± 0.8		dB
$P_{1\text{dB}}$	Output Power at 1 dB Gain Compression	30			dBm
IP3	The 3rd intercept Point		40		
NF	Noise Figure		4.5		dB
VSWR, IN	Input VSWR			2.0:1	-
VSWR, OUT	Output VSWR			2.0:1	-
Vdc	DC Supply Voltage(internal regulator included)	11	12	15	Volt
Idc	Current Supply		1.1		A
OTR	Operating Temperature Range	-30		70	°C

CASE: HC4, 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