

6.0 – 18.0 GHz 24dBm Amplifiers

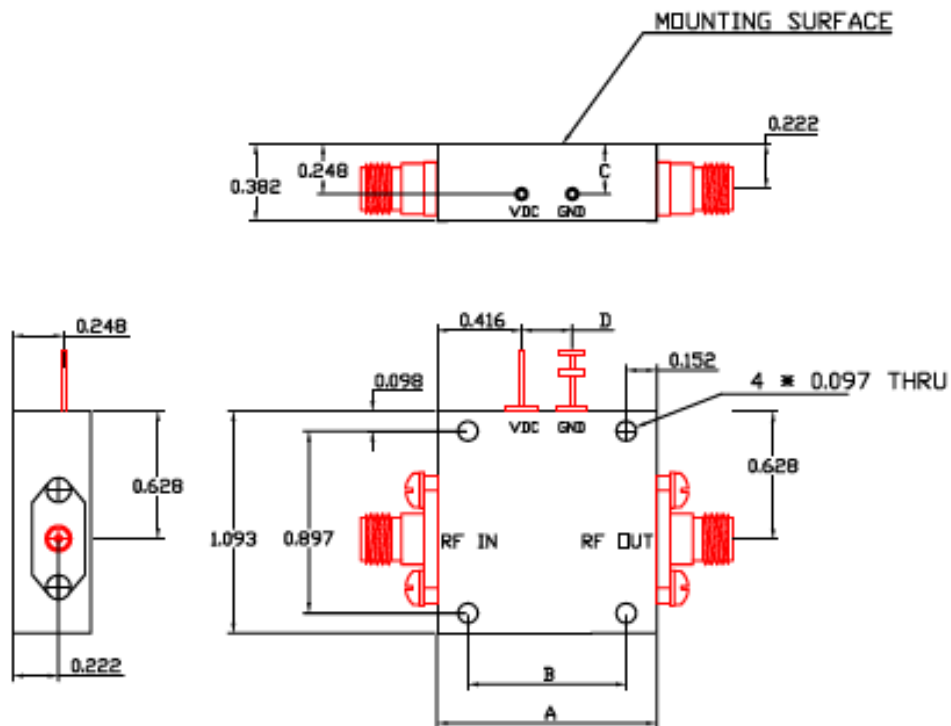
FEATURES

- $P_{1\text{dB}}$: 24dBm(min.)
- Noise Figure: 5.4dB
- Bias Condition: 400mA @ 12 V
- Small Signal Gain: 35dB(min.)

ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

Symbol	Description	Min.	Typ.	Max.	Unit
FREQ	Frequency Range	6		18	GHz
SSG	Small Signal Gain	35	39		dB
GOF	Small Signal Gain Flatness		± 1.0	± 1.5	dB
$P_{1\text{dB}}$	Output Power at 1 dB Gain Compression	24			dBm
IP3	The 3 rd intercept Point		34		
NF	Noise Figure		5.4		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		400	450	mA
OTR	Operating Temperature Range	-30		70	°C

CASE: HG5, as shown attached, unit is in inch.



DIM	A	B	C	D
CASE				
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