

6.0 – 12.0 GHz 17dB Gain 27dBm Amplifiers

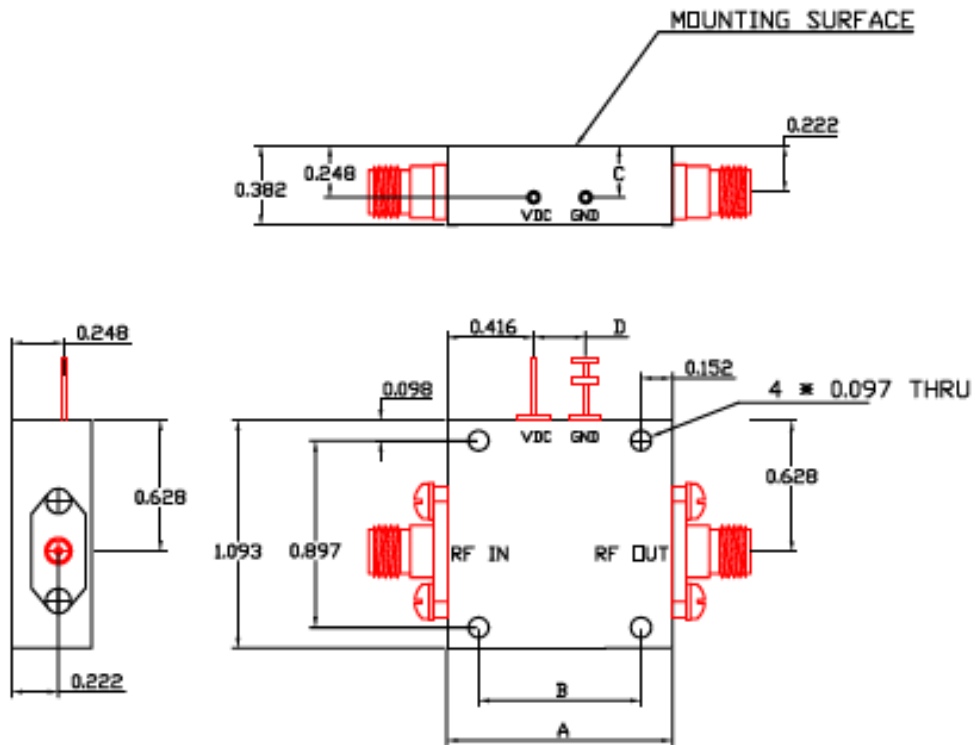
FEATURES

- P₁dB: 27dBm(min.)
- Noise Figure: 5.0dB
- Bias Condition: 400mA @ 12 V
- Small Signal Gain: 15dB(min.)

ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

Symbol	Description	Min.	Typ.	Max.	Unit
FREQ	Frequency Range	6		12	GHz
SSG	Small Signal Gain	15	17		dB
GOF	Small Signal Gain Flatness		± 0.6		dB
P₁ dB	Output Power at 1 dB Gain Compression	27			dBm
IP3	The 3rd intercept Point		37		
NF	Noise Figure		5.0		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: HG3, 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