

### 6 ~ 12GHz 10dBm Low Noise Amplifier

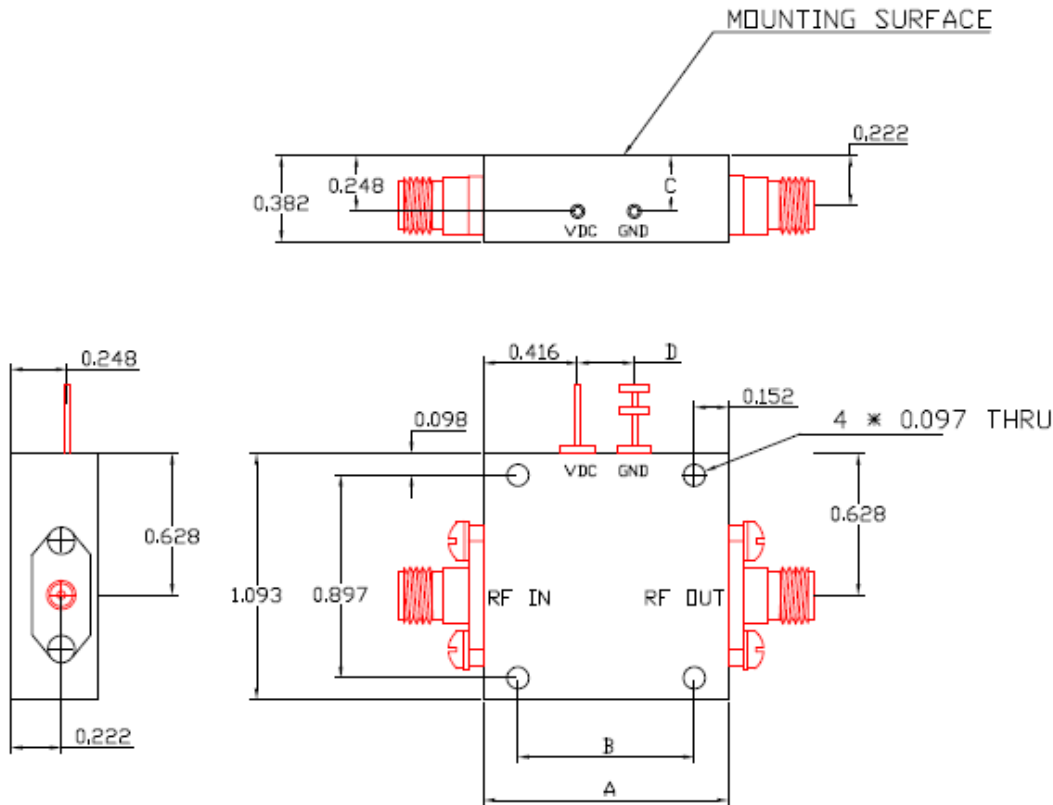
#### FEATURES

- $P_{1dB}$ : 10dBm, min.
- Small Signal Gain: 12dB
- Bias Condition: 80mA @ 12 V

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

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	6		12	GHz
SSG	Small Signal Gain	11	12		dB
GOF	Small Signal Gain Flatness		$\pm 0.4$		dB
NF	Noise Figure		2.3		dB
$P_{1dB}$	Output Power at 1 dB Gain Compression	10			dBm
IP3	The Third Intercept Point		20		dBm
VSWR, IN	Input VSWR			2 : 1	-----
VSWR, OUT	Output VSWR			2 : 1	-----
Vdc	DC Supply Voltage(with built-in regulator)	11	12	15	Volt
Idc	Current Supply		80		mA
OTR	Operating Temperature Range	-30		70	°C

Housing : HG3, with SMA female removable connectors, unit is 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