

### 6 ~ 18 MHz 15dB Gain 20dBm Power Amplifier

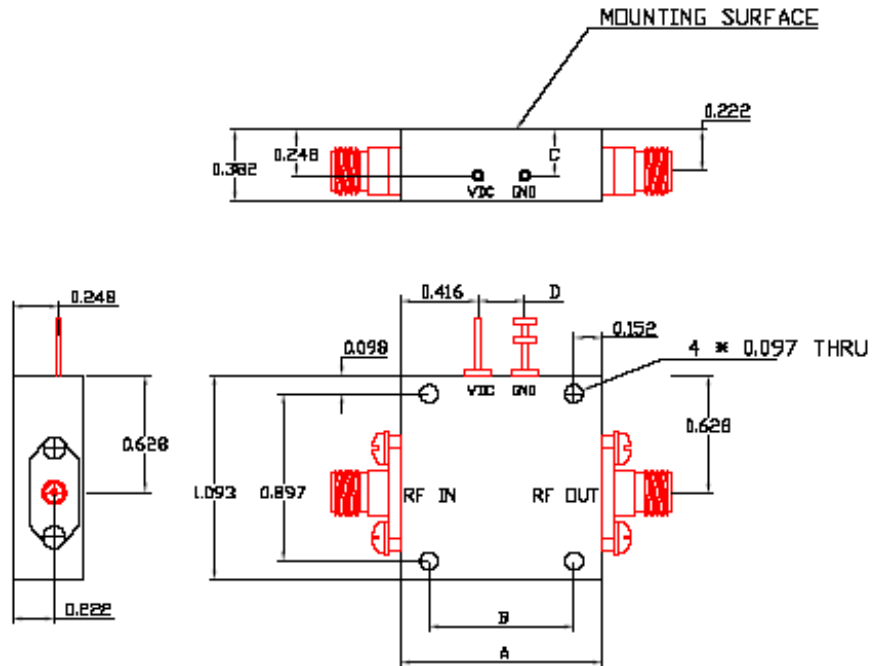
#### FEATURES

- $P_{1dB}$ : 20dBm, min.
- Small Signal Gain: 15dB, min.
- Bias Condition: 160mA @ 12 V

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

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	6		18	GHz
SSG	Small Signal Gain	15	17		dB
GOF	Small Signal Gain Flatness		±0.6	±0.7	dB
NF	Noise Figure		4.5		dB
$P_{1dB}$	Output Power at 1 dB Gain Compression	20			dBm
IP3	The Third Intercept Point	30			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		160		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
HG5	1.583	1.279	0.248	0.25
HG6	1.833	1.529	0.248	0.25