

6 ~ 18 GHz 38dB Gain 27dBm Power Amplifier

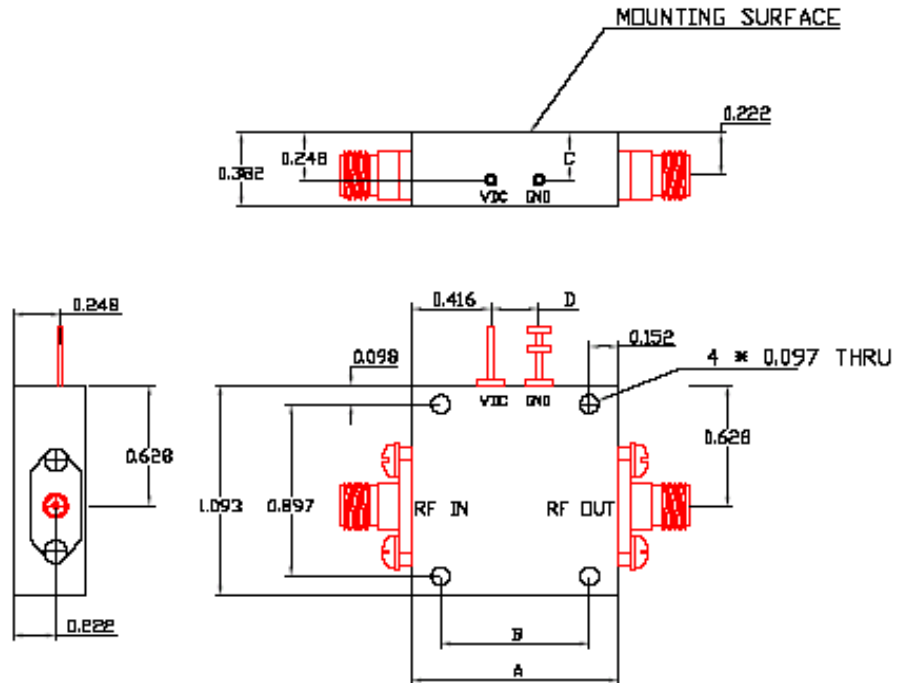
FEATURES

- P_{1dB} : 27dBm, min.
- Small Signal Gain: 38dB, min.
- Bias Condition: 900mA @ 12 V

ELECTRICAL SPECIFICATIONS (Specified at 25C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	6		18	GHz
SSG	Small Signal Gain	38	42		dB
GOF	Small Signal Gain Flatness		±2.0		dB
NF	Noise Figure		5.4		dB
P_{1dB}	Output Power at 1 dB Gain Compression	27			dBm
IP3	The Third Intercept Point		37		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		900		mA
OTR	Operating Temperature Range	-30		70	°C

Housing : HG7, 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
HG7	2.083	1.779	0.248	0.25