

### 0.5 ~ 2 MHz 45dB Gain 15dBm Power Amplifier

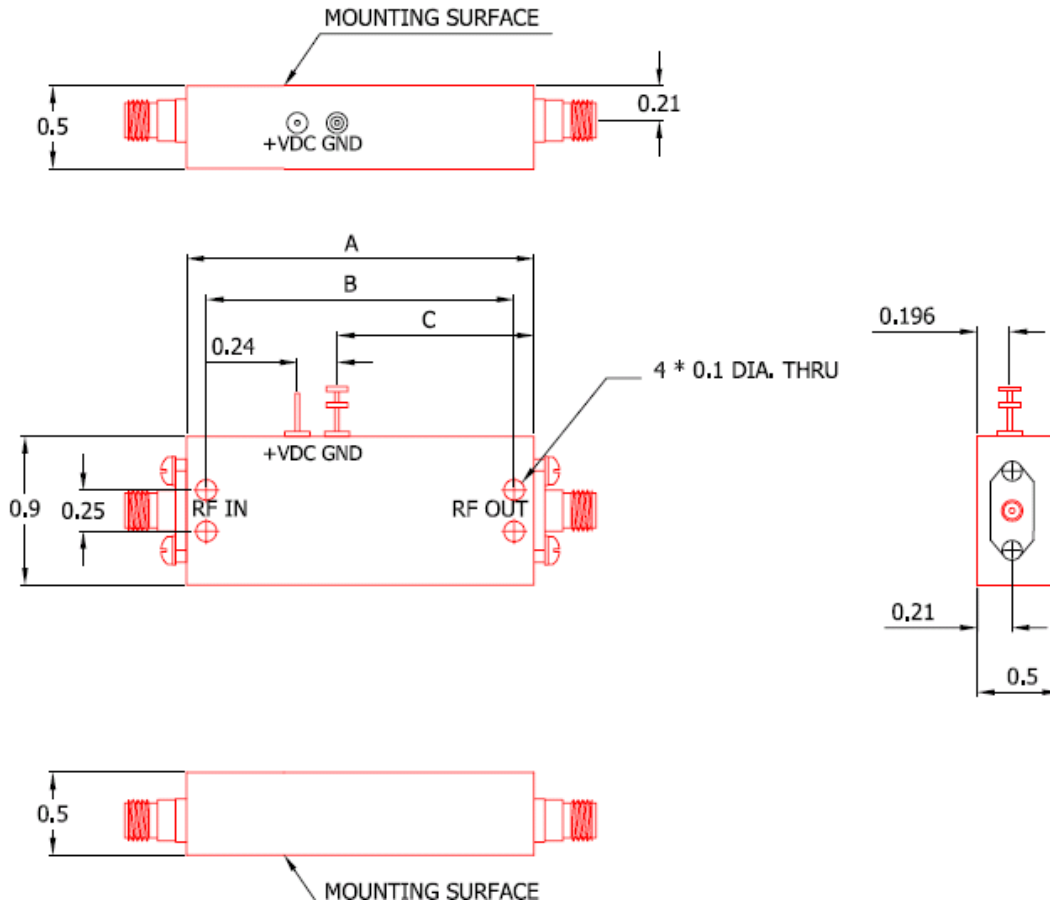
#### FEATURES

- $P_{1dB}$ : 15dBm, min.
- Small Signal Gain: 45dB, min.
- Bias Condition: 180mA @ 12 V

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

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	0.5		2.0	GHz
SSG	Small Signal Gain	45	50		dB
GOF	Small Signal Gain Flatness		±0.8		dB
NF	Noise Figure		1.8		dB
$P_{1dB}$	Output Power at 1 dB Gain Compression	15			dBm
IP3	The Third Intercept Point		25		dBm
VSWR, IN	Input VSWR			2 : 1	-----
VSWR, OUT	Output VSWR			2 : 1	-----
Vdc	DC Supply Voltage(with built-in regulator)	11	12	13	Volt
Idc	Current Supply		180		mA
OTR	Operating Temperature Range	-30		70	°C

Housing : HS4, with SMA female removable connectors, unit is inch



Case	"A" DIM	"B" DIM	"C" DIM
7	2.10	1.86	0.67
6	1.85	1.61	0.67
5	1.60	1.36	0.67
4	1.35	1.11	0.43
3	1.10	0.86	0.43