

### 0.5 – 2.0 GHz 24dBm Amplifiers

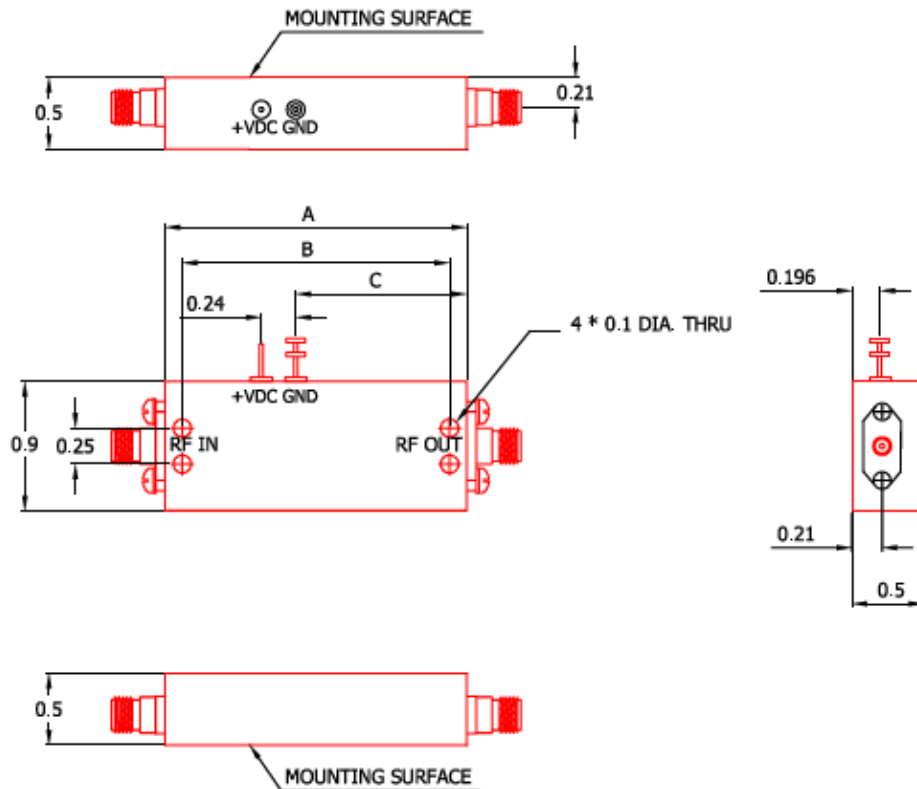
#### FEATURES

- P<sub>1</sub> dB: 24dBm(min.)
- Noise Figure: 2.7dB
- Bias Condition: 180mA @ 12 V
- Small Signal Gain: 13dB(min.)

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

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	<b>Frequency Range</b>	0.5		2	GHz
<b>SSG</b>	<b>Small Signal Gain</b>	13	14		dB
<b>GOF</b>	<b>Small Signal Gain Flatness</b>		± 0.4	± 0.5	dB
<b>P<sub>1</sub> dB</b>	<b>Output Power at 1 dB Gain Compression</b>	24			dBm
<b>IP3</b>	<b>The 3<sup>rd</sup> intercept Point</b>		34		
<b>NF</b>	<b>Noise Figure</b>		2.7		dB
<b>VSWR, IN</b>	<b>Input VSWR</b>		2.0:1		-
<b>VSWR, OUT</b>	<b>Output VSWR</b>		2.0:1		-
<b>Vdc</b>	<b>DC Supply Voltage(internal regulator included)</b>	11	12	15	Volt
<b>Idc</b>	<b>Current Supply</b>		180	200	mA
<b>OTR</b>	<b>Operating Temperature Range</b>	-30		70	°C

**CASE: HS3, as shown attached, unit is in 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