

0.5 – 2.0 GHz 24dBm Amplifiers

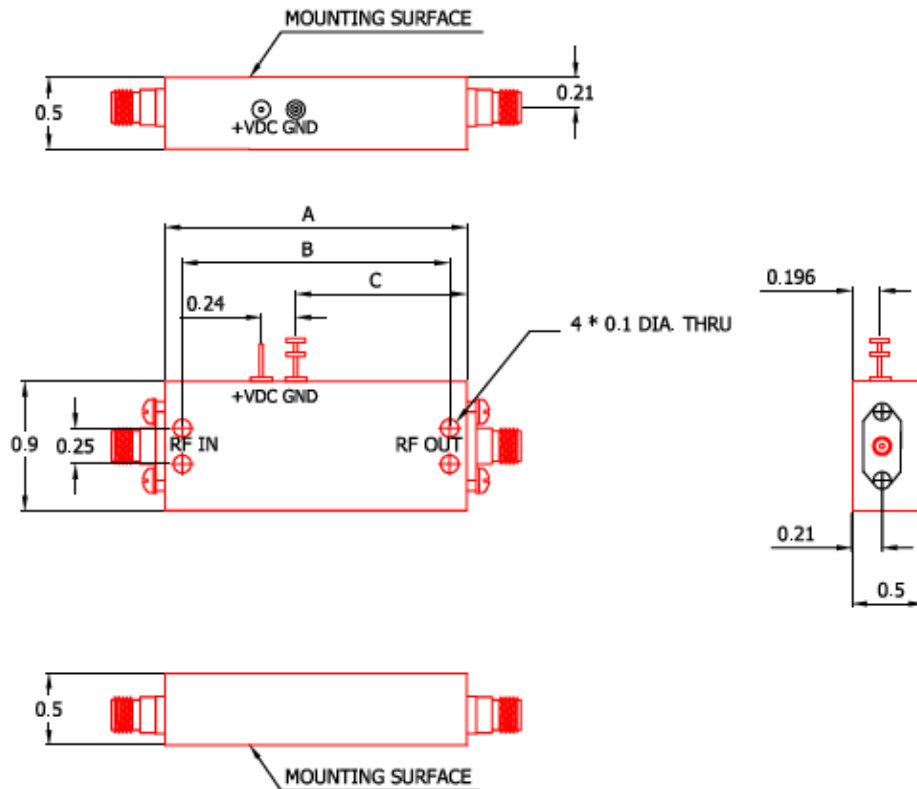
FEATURES

- P₁ 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
FREQ	Frequency Range	0.5		2	GHz
SSG	Small Signal Gain	13	14		dB
GOF	Small Signal Gain Flatness		± 0.4	± 0.5	dB
P₁ dB	Output Power at 1 dB Gain Compression	24			dBm
IP3	The 3rd intercept Point		34		
NF	Noise Figure		2.7		dB
VSWR, IN	Input VSWR		2.0:1		-
VSWR, OUT	Output VSWR		2.0:1		-
Vdc	DC Supply Voltage(internal regulator included)	11	12	15	Volt
Idc	Current Supply		180	200	mA
OTR	Operating Temperature Range	-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