

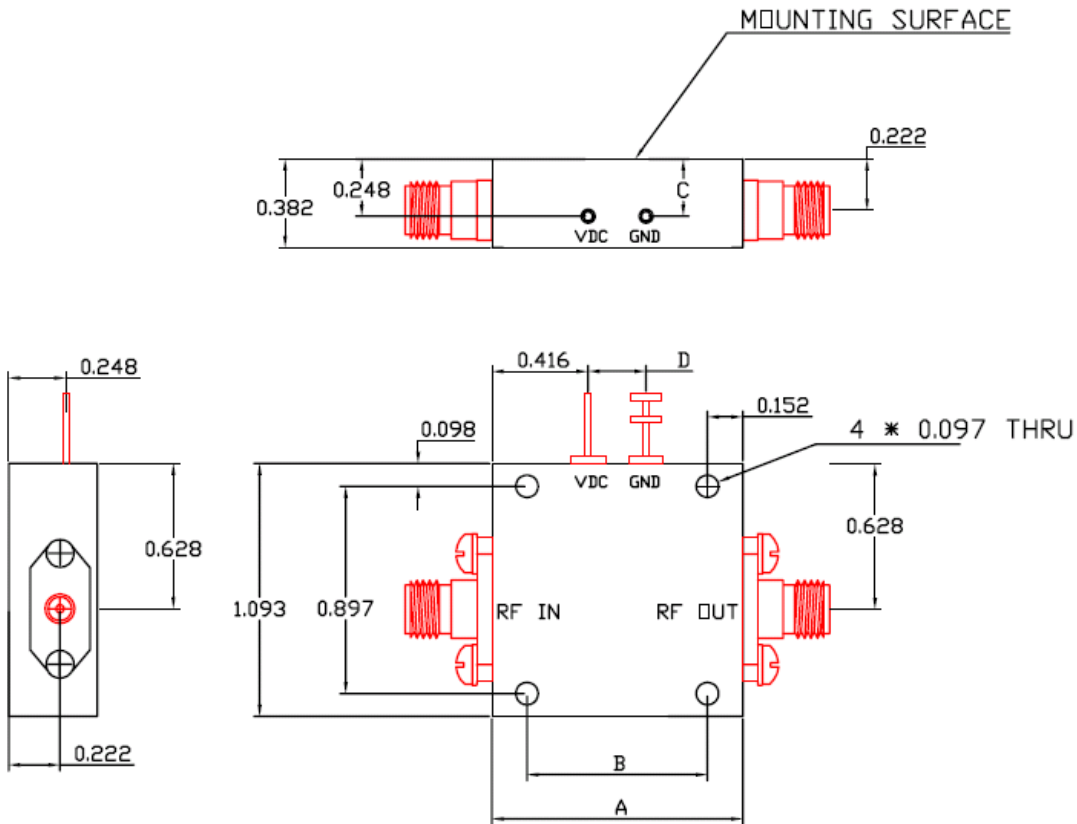
**0.5 ~ 18 GHz +15dBm 30dB Gain Solid State Power Amplifier**

**ELECTRICAL SPECIFICATIONS (specified at 25C)**

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	0.5		18.0	GHz
Gain	Small Signal Gain	30	33		dB
GOF	Gain Flatness over FREQ range		+/-1.5	+/-2.0	dB
NF	Noise Figure @ 2-18GHz			3.5	dB
	Noise Figure @ 1-2GHz			4.0	dB
	Noise Figure @ 0.5-1GHz			5.0	dB
P1dB	Output Power at 1dB Gain Compression	+15			dBm
VSWR, IN	Input VSWR		2:1		-----
VSWR, OUT	Output VSWR		2:1		-----
VDC	DC Supply Voltage(with internal regulator)	+11	+12	+13	Volt
IDC	DC Supply Current		220		mA
OTR	Operating Temperature Range, case temp	-40		+70	°C

**Mechanical / SIZE: HG4**

As shown on page 2, with SMA Female RF Connectors and DC Feed through pin.



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

**Unit: inch.**