

2 – 6 GHz 16 dBm Limiting Amplifier

FEATURES

- P_{out} : 16 dBm
- NF : 3.5 dB
- Bias Condition: 450 mA @ 12 V

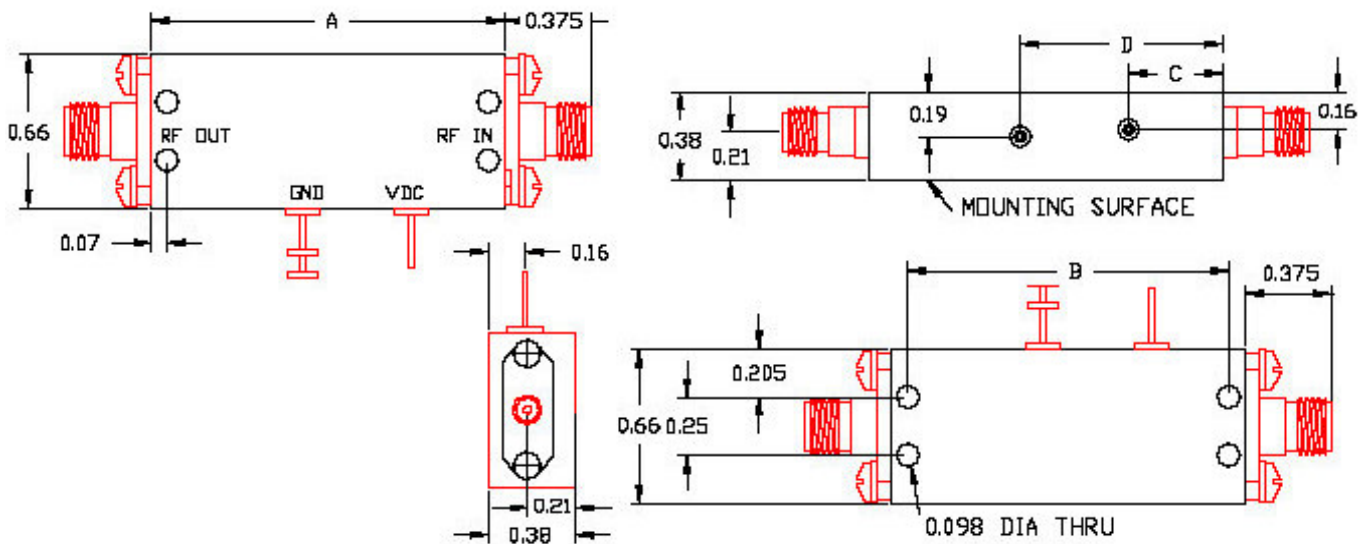
DESCRIPTION

The TA020-060-00-16 is a 16 dBm limiting amplifier designed for operation in the 2 to 6 GHz frequency range. This amplifier provides high gain and low noise figure. High efficiency operation is achieved by using hybrid MIC designs and advanced GaAs PHEMT devices. The amplifier requires only a +12V DC power supply.

ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	2		6	GHz
Pin	Input Power	-61		+10	dBm
Pout	Output Power (Psat)	15	16	17	dBm
NF	Noise Figure @ 2-3GHz		3.5	4.5	dB
	Noise Figure @ 3-6GHz		2.5	4	dB
VSWR, IN	Input VSWR		1.8:1	2:1	-----
VSWR, OUT	Output VSWR		1.8:1	2:1	-----
VDC	DC Supply Voltage	11.9	12	12.1	Volt
IDC	Current Supply		450	550	mA
OTR	Operating Temperature Range	-20		70	°C

CASE : HO5



CASE	"A" DIM	"B" DIM	"C" DIM	"D" DIM
HO 3	1.116	0.976	0.430	0.680
HO 4	1.359	1.220	0.680	1.130
HO 5	1.602	1.462	0.680	1.130
HO 6	1.845	1.705	0.920	1.370
HO 7	2.088	1.948	0.920	1.370
HO 8	2.331	2.190	1.170	1.510
HO 9	2.574	2.434	1.410	1.860