



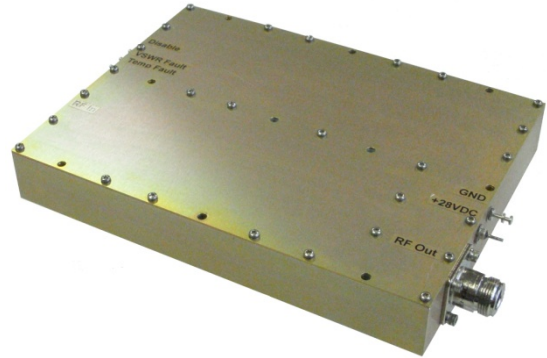
HD27460

400-1000 MHz – 100W

Solid State Broadband

High Power Module Amplifier

The HD27460 is a 100W, Class A/AB High Gain Linear amplifier module for the 400 - 1000 MHz band. Superior performances provided offering high gain, efficiency and power in a small module footprint using broadband matching techniques and the finest Gold MOSFET transistors available on the market today. Matched for 50 ohms input and output, the HD27460 is a High Gain Linear amplifier providing 100 watts at P1dB making this the natural Choice for your broadband application.



Specifications

(Vsupply=+28V Vdc, Idq=2.1A, TBase=25°C)

Pout = 100W

Parameter	Min.	Typ	Max.	Unit
Frequency	400		1000	MHz
Pout CW P1dB	100	125		Watts
Power In		-2		dBm
Gain	50	52		dB
Drain Current		10.0	13.0	Amps
Input R/L		-14		dB
Supply Voltage	24	28	32	Volt
2 nd Harmonic		-20		dBc
3 rd Harmonic		-30		dBc
IMD ₃ , 2 Tone		-30		dBc
Physical Dimensions	6.5" x 5.7" x 1"			

Features

- 100 Watts P1dB Class A/AB
- 50 ohms input/output
- Bandwidth 400-1000 MHz
- All Gold MOSFETS for Maximum Reliability

Maximum Ratings

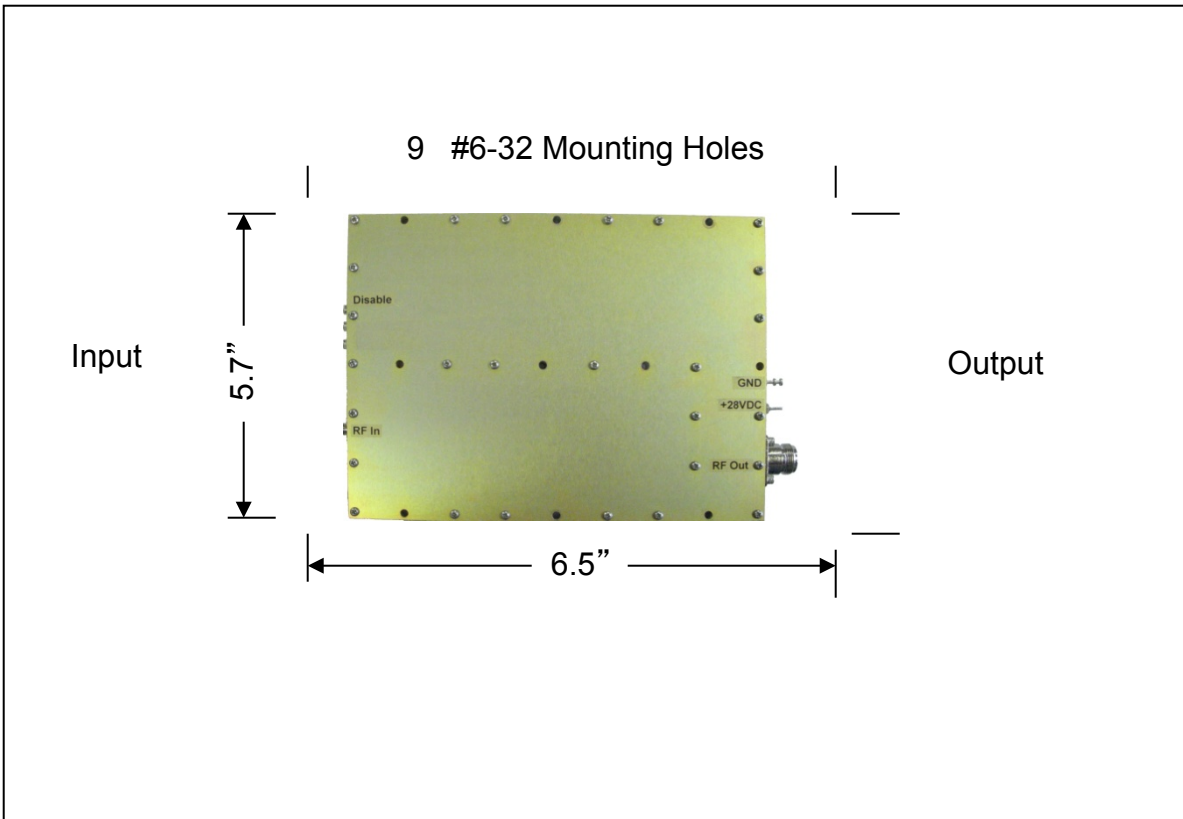
Parameter	Value
Supply Voltage	+32 VDC
Bias Current	4.0 Amp
Drain Current	16.0 Amp
Load Mismatch	5:1 All Phase Angles, Drain Current Limited to 16A
Storage Temp	-40° - +105°C
Case Op. Temp	+60°C

HD Communications Corp.
 332-C Dante Ct. Holbrook NY 11741
 Tel: (631) 588-3877 Fax: (631) 648-0518 Email: sales@hdcom.com



HD27460
400-1000 MHz – 100W
Solid State Broadband
High Power Module Amplifier

Reference Circuit



Reference circuit size (not to scale)

HD Communications Corp.
332-C Dante Ct. Holbrook NY 11741
Tel: (631) 588-3877 Fax: (631) 648-0518 Email: sales@hdcom.com