

# AC10-01A

5030~5850MHz 30W HPA



## General Description

The AC30-01A is a general HPA module that have high linearity & gain performance. The module features a flat high gain with excellent current consumption.



## Applications

- Drone jammer
- Man-pack jammer
- Car-mount jammer
- Wi-Fi system
- Wireless power transfer
- Scientific measurement system
- EMC/EMI test

## Electrical Specification

Parameter	Specification	Comment
Frequency	5030 ~ 5850MHz	
Output Power	42dBm	P1dB
Gain Flatness	$\pm 1$ dB	Psat
Input Power for rated output power	-2	Typ.
Input Return Loss	-15dB	
Current Consumption	2.5A	Typ. @42dBm

## Power / Data Connector, D-sub 9pin, Male

Pin	Specification	Comment
1,6	+28V	
3	Shut Down	TTL Logic Low (0V)
5	2.0V <sub>DC</sub> (Typ.)	Forward Out @ 50mV/dB
9	Shutdown: +4VDC to Upper 85°C Auto Recovery: 0VDC to Under 85°C	Temperature Monitor
2,7,8	GND	
4	N/C	

### Performance Plot

Plot 1 - Small Signal and  $P_{SAT}$   
Top Curve: Small Signal Gain @  $P_{IN} = -20dBm$   
Middle Curve:  $P_{SAT}$  @  $P_{IN} = -6dBm$   
Reference: 4.5dB, 1dB/div.  
Bottom Curve: Input VSWR  
Reference: 10dB, 10dB/div.



### Mechanical specification

