

SS5K-01A

2400~2800Hz 5KW HPA

General Description

The SS5K-01A is a specific rack type solid state power amplifier system that have high linearity & gain performance. The module features a flat high gain with excellent current consumption.



Applications

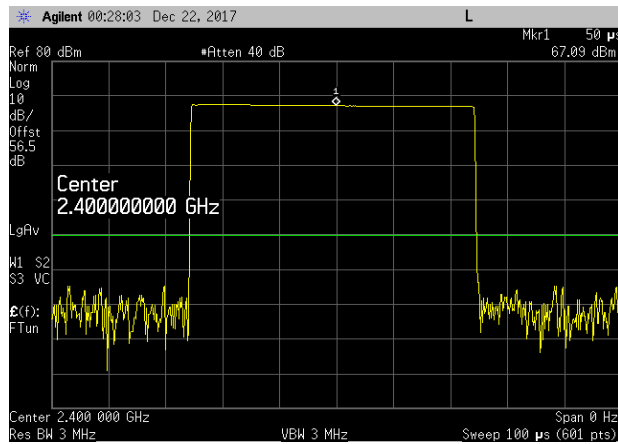
- Jammer
- EMI/EMC test
- Scientific measurement system
- Microwave heating
- Microwave cladding
- Microwave Sterilization

Electrical Specification

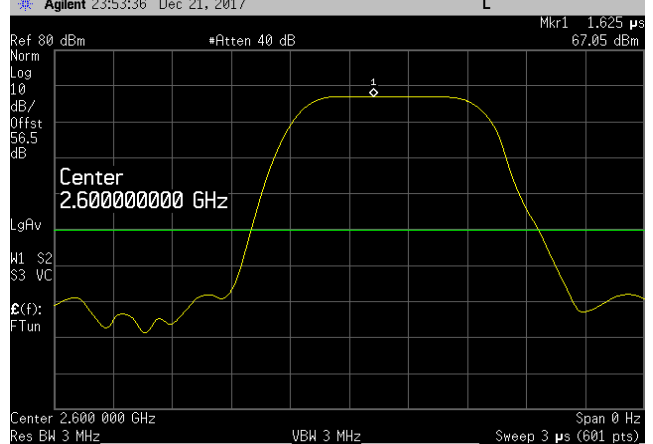
Parameter	Specification	Comment
Frequency	2400 ~ 2800MHz	
Output Power	67dBm	5KW
Rated input power	0dBm	
Maximum input power	+5dBm	
Pulse Width	0.01~300us	
Duty Cycle	10%	Max
Input voltage	220V	3Phase
Gain Adjustment Range	30dB	0.5dB step
Supply voltage	40V	
Dimension	13U	W*D*H
Weight	120Kg	Max

Performance Plot

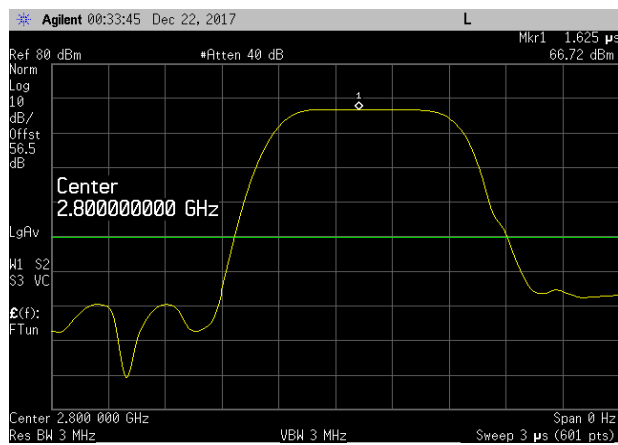
Plot 1 – Output power @Psat
 Input Power = 0dBm
 Output Power = 67.09dBm
 Pulse width = 50us



Plot 2 – Output power @Psat
 Input Power = 0dBm
 Output Power = 67.05dBm
 Pulse width = 10us



Plot 3– Output power @Psat
 Input Power = 0dBm
 Output Power = 66.72dBm
 Pulse width = 1us



Plot 4– RF Output Monitoring

