

**20W 50Ω 20 to 2000 MHz**


## Description

The KSA20W202J0 High Power Amplifier that operates from 20MHz to 2.0 GHz at a saturated output power of +45 dBm. This high power class AB amplifier has an extremely flat gain 53dB.

## Applications

Suitable for a broad range of high-power, wideband applications, including test setups, communications and defense applications.

## Electrical Specifications (at 25°C):

Parameters	Min	Typical	Max	Units
Frequency Range	20	-	2000	MHz
Gain	44	53	56	dB
Gain Flatness	-	2.0	-/+2.7	dB
Psat	42	45	-	dBm
Output @ 3dB Compression		39	-	dBm
Noise Figure	-	10	-	dB
Input VSWR	-	2.0	-	:1
Output VSWR	-	3.5	-	:1
Supply Voltage		120		V @60Hz
Supply Current		1.6		A @60Hz

*Small signal input power usually -50dBm*

## Environmental Parameters:

Operating Temperature	-20°C to 60°C
Storage Range	-55 to 100°C
Input RF Power (no damage)	5 dBm
Thermal Overload	85°C +/-5°C

Shock                      Normal Truck Transport

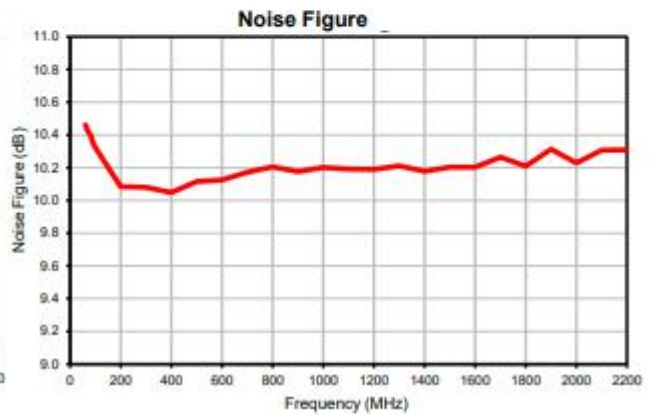
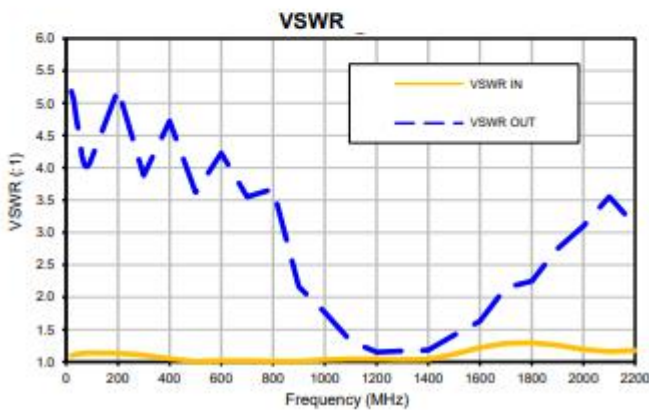
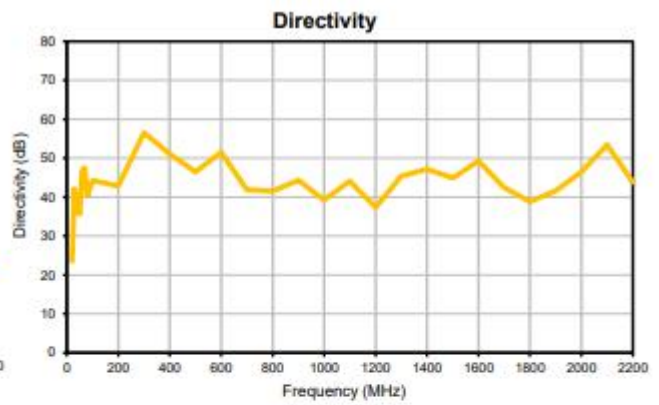
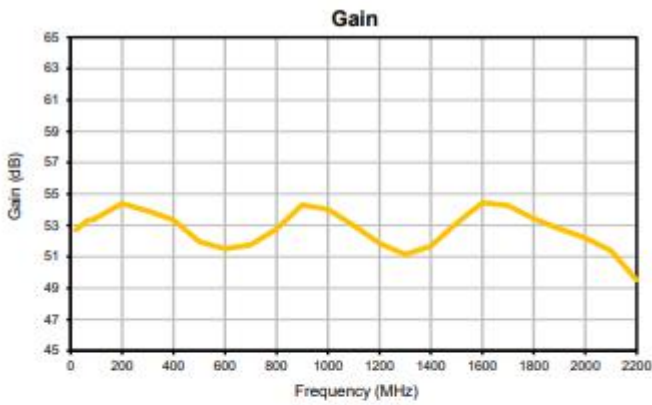
Vibration Normal Truck Transport

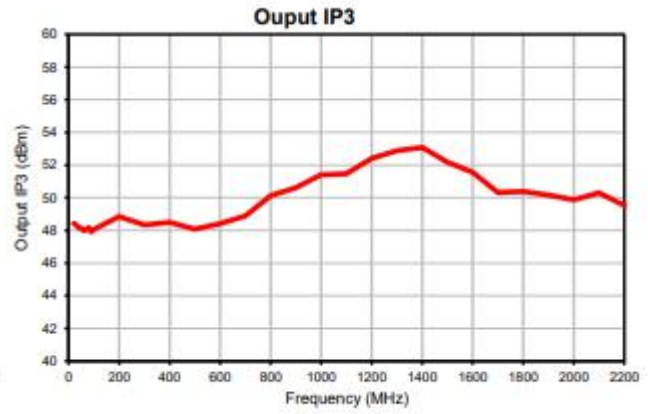
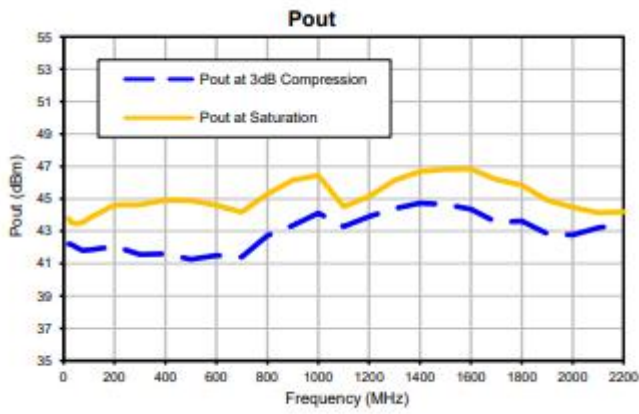
### Mechanical:

Overall Length  
(not including  
RF connectors): 300mm (11.8 in)  
Overall Width: 200mm (7.87 in)  
Overall Height: 96mm (3.78 in)  
Weight: 3.0kg

Enclosure body: Aluminum (Gray)  
Input Connector: N-type  
Output Connector: N-type  
LED Power Indicator (Red)

### Typical Performance Data





*Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.*

*All components in this product are fully compliant with:*

