

15W 50Ω 600 to 4200 MHz


Description

The KSA15W6004J2 High Power Amplifier that operates from 600MHz to 4.2 GHz at a saturated output power of +42 dBm. This high power class A amplifier has an extremely flat gain 46 dB.

Applications

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

Electrical Specifications (at 25°C):

Parameters	Min	Typical	Max	Units
Frequency Range	600	-	4200	MHz
Gain	41	46	51	dB
Gain Flatness	-	2.0	-	dB
Psat	42	42	-	dBm
Output @ 1dB Compression	-	39	-	dBm
Noise Figure	-	10	-	dB
Input VSWR	-	1.3	-	:1
Output VSWR	-	2.0	-	:1
Voltage Supply	-	120	-	V @60Hz
Supply Current	-	0.82	-	A @60Hz

Small signal input power usually -50dBm

Environmental Parameters:

Operating Temperature	-20°C to 50°C
Storage Range	-55 to 100°C
Input RF Power (no damage)	7 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

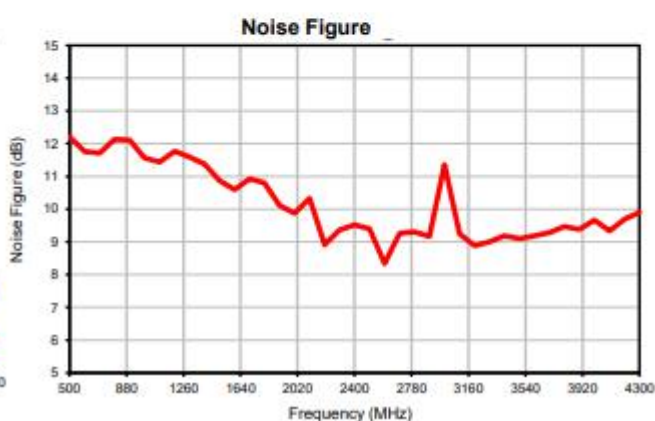
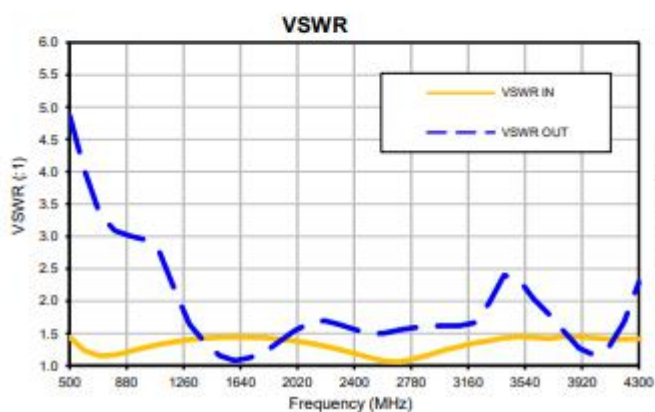
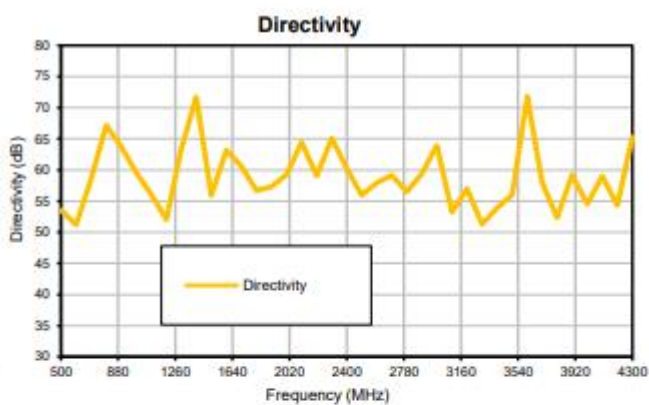
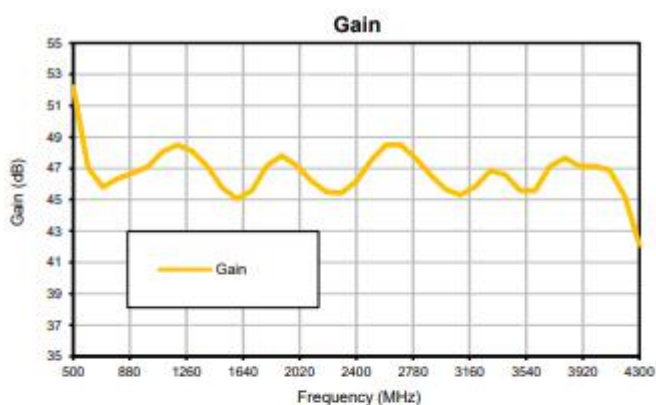
Enclosure body: Aluminum (Gray)

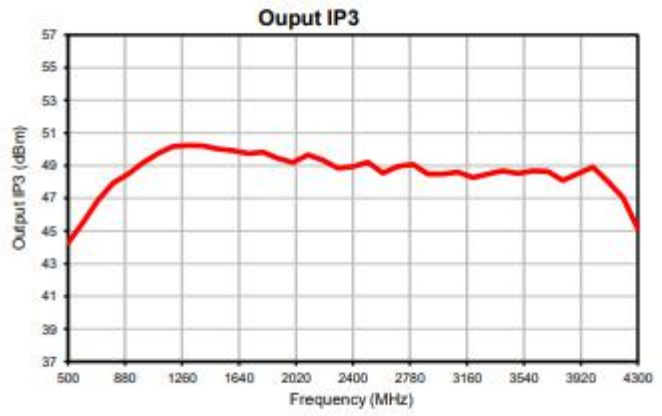
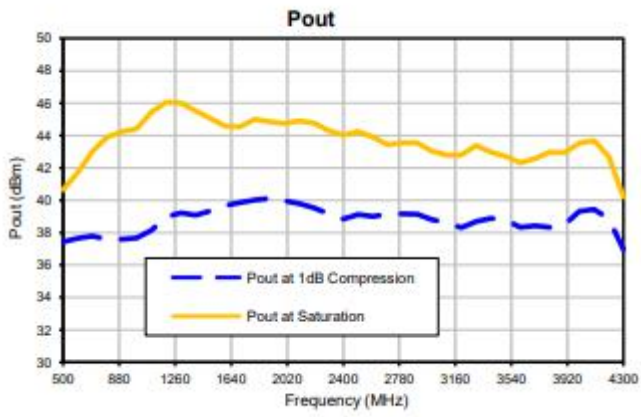
Input Connector: N-type

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:

