

2.7 – 3.5 GHz 200W Power Amplifier

The model AQPA027035C-200 is a 2.7-3.5 GHz ultra-wide band RF power amplifier, with 200W output power, and is highly efficient and reliable. Mainly used for testing and measuring instruments, communications or interference, aviation control and other fields. The product has temperature and current detection with alarm protection and other functions.

Key Features:

- Ultra-wide band
- Over Temperature/Current Monitoring

Product Specifications

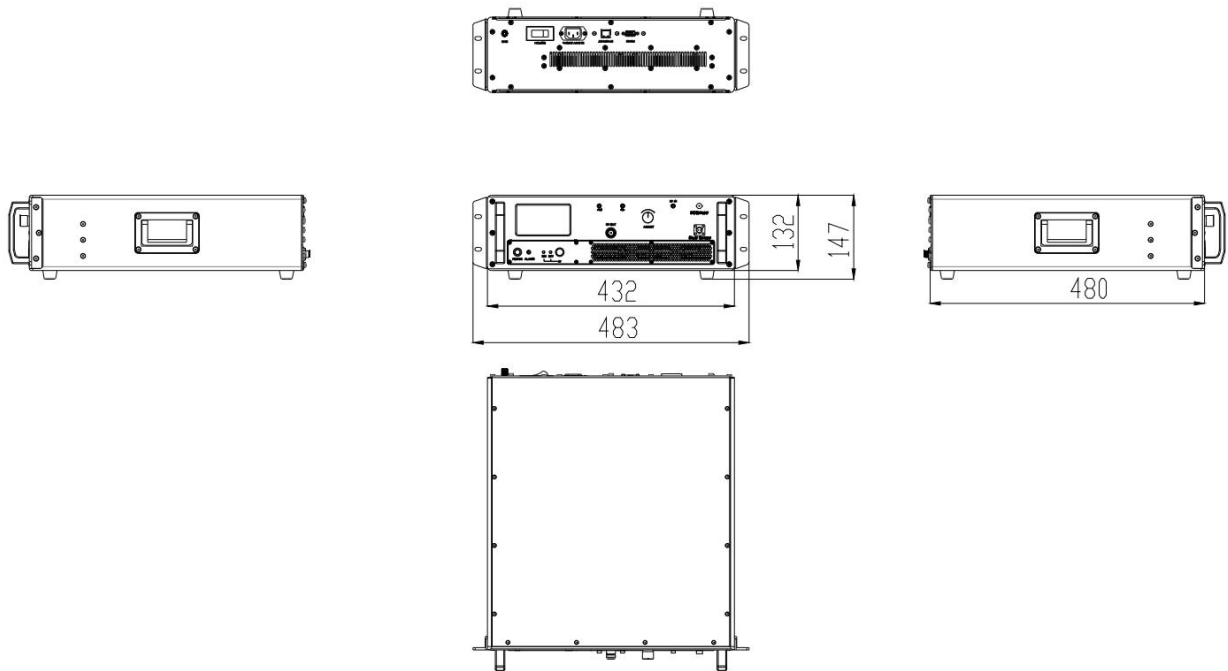
Parameter	Min	Typ	Max	Units
Frequency Range	2.7	-	3.5	GHz
Peak Output Power	200	-	-	W
Input Power	-	-	0	dB
Power Gain	53	-	-	dB
Small Signal Gain	56	-	-	dB
Gain Flatness	-	-	±3.0	dB
Gain Adjustment	-	-	20	dB
2 nd Harmonic Power @ Pout	-	-15	-10	dB
Out of Band spurious	-	-65	-60	dBc
Input VSWR	-	1.5	2.0	:1
Power Supply	90	-	240	V _{AC}
RF Input Connectors	SMA-Type Female			
RF Output Connectors	N-Type Female			
Digital Control Interface	RS485			
Switching Time @ Gate Control	< 200ns			

Mechanical and Environmental Specifications

Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +65°C
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH @ 35°C, 95% RH @ 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions
Dimension (LxBxH)	480 x 432 x 132mm, 3U
Cooling	Forced Air Cooling

Outline Drawing

All Dimensions in mm (inches); Outline Tolerances ± 0.5 (0.02)



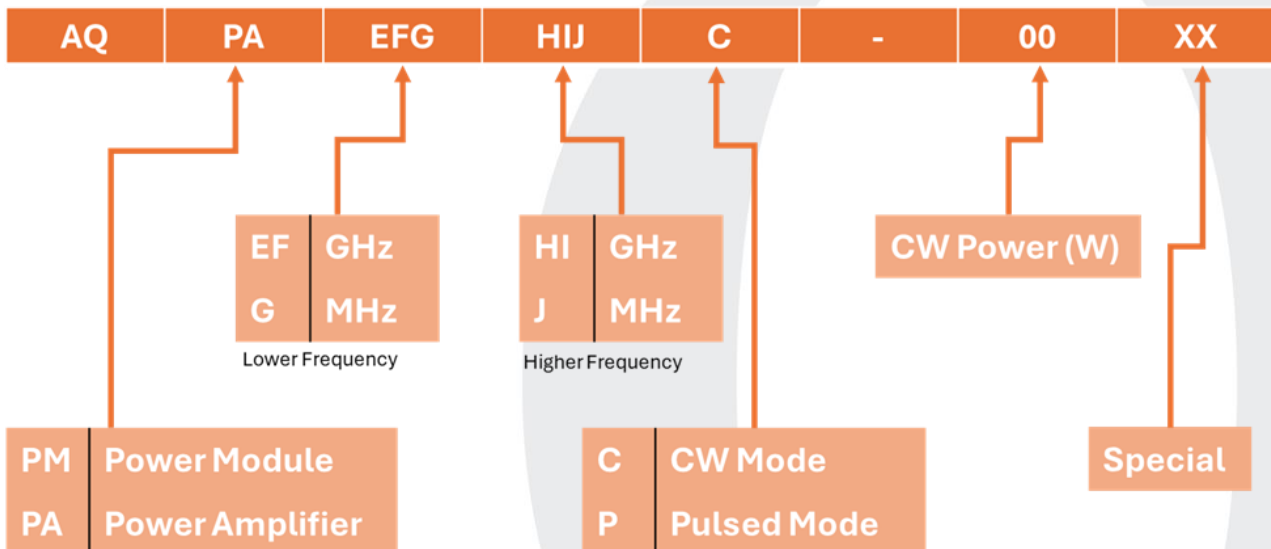
Documentation and Test Reports

All arQana Products are delivered with Electrical Test Report and Certificate of Conformance as standard. arQana can provide additional testing for any of our existing products according to your requirements. Please contact us for a discussion.

Customization

arQana can fully design or configure any of our existing products according to your specifications. Please contact us for a discussion.

Part Numbering



Example: AQPA020060C-20: Power Amplifier, 2.0 to 6.0GHz, CW, 20W.

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Document Revision History

Date	Description	Version	Done by
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