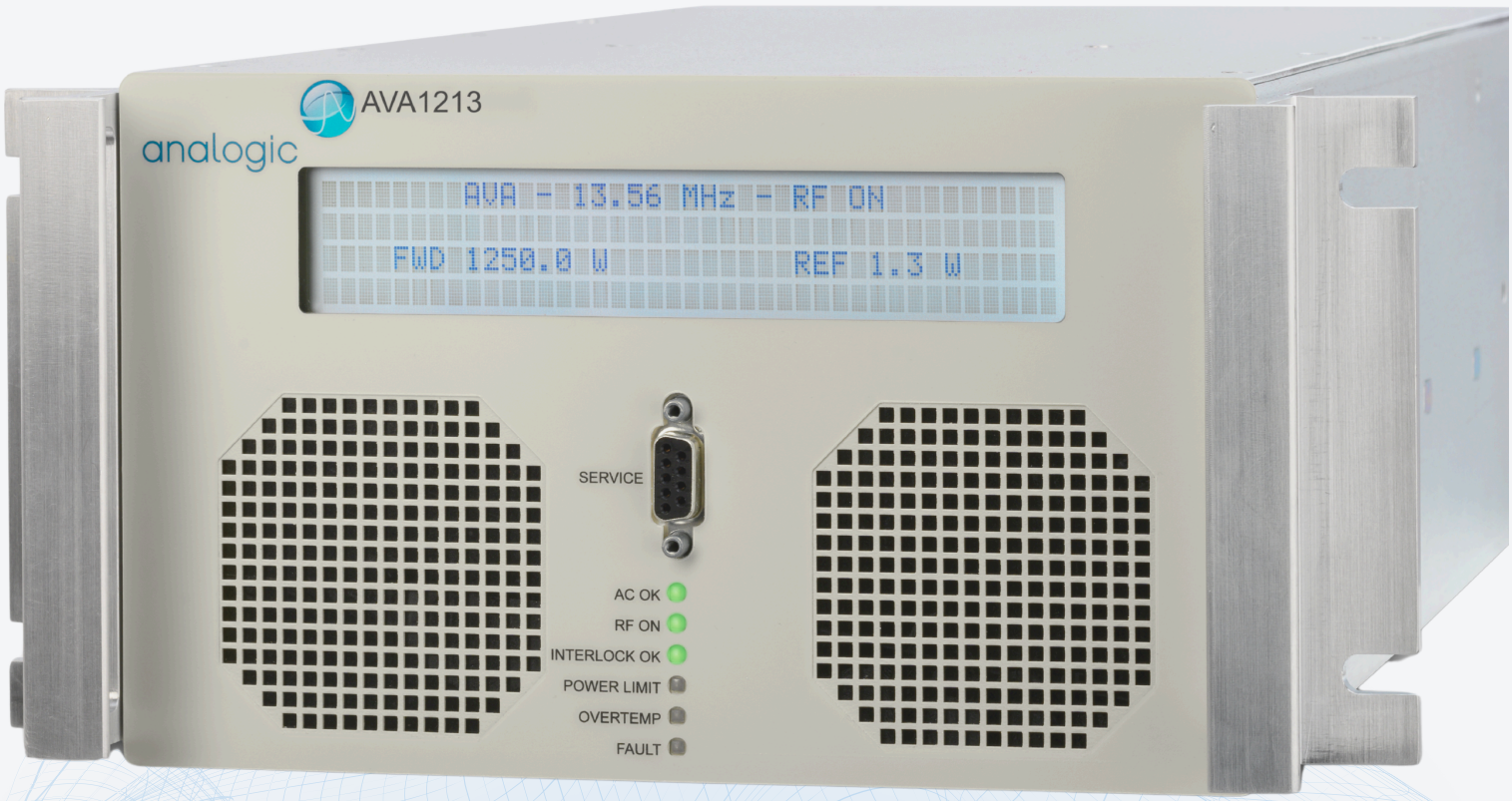
AVA1213

1.25KW
13.56MHZ

PULSED RF GENERATOR WITH AUTO FREQUENCY TUNING



Model	AVA1213
Center Frequency	13.56 MHz
Tuning Range	±5%
Load Impedance	50 Ohm
Max Forward Power	1250 Watt
Max Reflected Power	300 W
Power Regulation	Forward power, load power, DC bias (process)
Power Regulation	±2% of setpoint, or ±3W (whichever is greater)
Harmonics	<= -40 dBc(50-Ohm load)
Spurious	<=-45 dBc
Efficiency, AC to RF output	>65% (typical)
Pulsing	Two level (digital or analog)
Pulse Synchronization	pulse-in SMA(F), pulse-out SMA(F)
Minimum Pulse Width	50 µsec
Pulse PRF	100 Hz –20 kHz
Pulse Duty Cycle	1% -99%
Pulse Rise Time	< 4 µsec
Pulse Fall Time	< 0.2 µsec
Interface	RS232, 25 pin Analog
Interface Options	Ethernet, EtherCAT, Profibus and DeviceNet
Cooling	Water and Air
Ambient Air Temperature	25˚C ±10˚C
Inlet Water Temperature	25˚C ±5˚C

THE AVA 1213 IS AVAILABLE IN TWO CONFIGURATIONS, STANDARD OR ADVANCED.

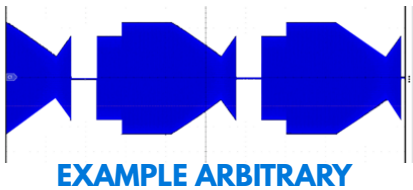
ANALOGIC IS DEDICATED TO CONTINUAL INNOVATION, BRINGING THE LATEST IN RESEARCH AND EXPERIENCE TO THE WORLD OF POWER AMPLIFIER DESIGN.

Specifications subject to change without notice

Min. Water Flow	1.5 GPM
Weight	<11.5 Kg (<25.4 lbs)
Dimensions	215.6 mm (W) X 441.7 mm (L) X 133.4 mm (H)
Clearance	7.6 cm front and back
Output Connector	N(F)
AC Line	187–228 VAC 1-φ, 50/60 Hz, 12A at 228VAC –IEC 320 Connector
Safety Standards	IEC 61010-1:2010, AMD1:2016 Semi F47-0706

ADDITIONAL ADVANCED MODEL SPECIFICATIONS

CEX input signal level	4 –10 dBm (sinusoidal or square pulse)
CEX output signal level	9 dBm ±2dB, typical
CEX output phase adjustment	-180˚ to 180˚ with 1˚ resolution
Pulsing	Multi-Level, Patented arbitrarywaveform pulsing,
Auto Frequency Tuning	<1 ms of tuning time , CW or Pulse
HALO Max FWD Power	200 Watt
HALO Accuracy	±1.5% or ±1 Watt, whichever is greater
Smoke Detector	Integrated smoke detector
Accessories: Water Flow Sensor	Optional external sensor



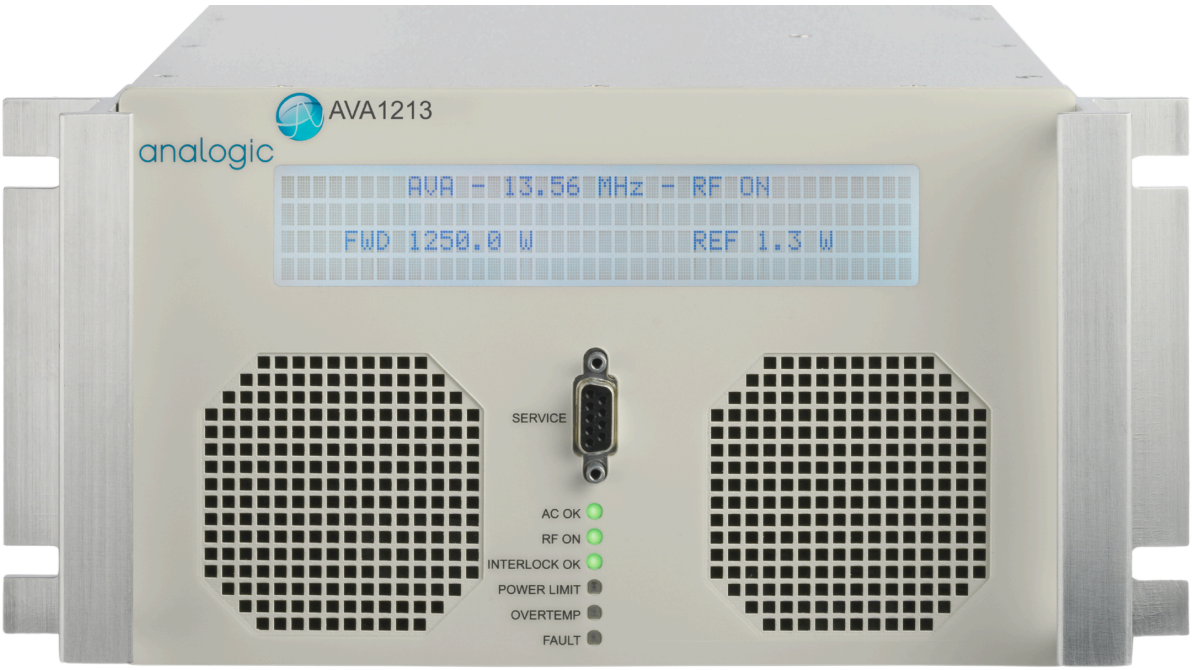
EXAMPLE ARBITRARY WAVEFORM

Worst Case Forward Power into Mismatch

VSWR	Power
1.1:1	1250 W
2.0:1	750 W
3.0:1	500 W

Specifications subject to change without notice

AVA 1213 **FRONT VIEW**



AVA 1213 **BACK VIEW**



CONTACT US



+1-978-326-4000

www.analogic.com

9 Northeastern Boulevard Salem, NH 03079, USA

analogic

AVA®

