RADAR

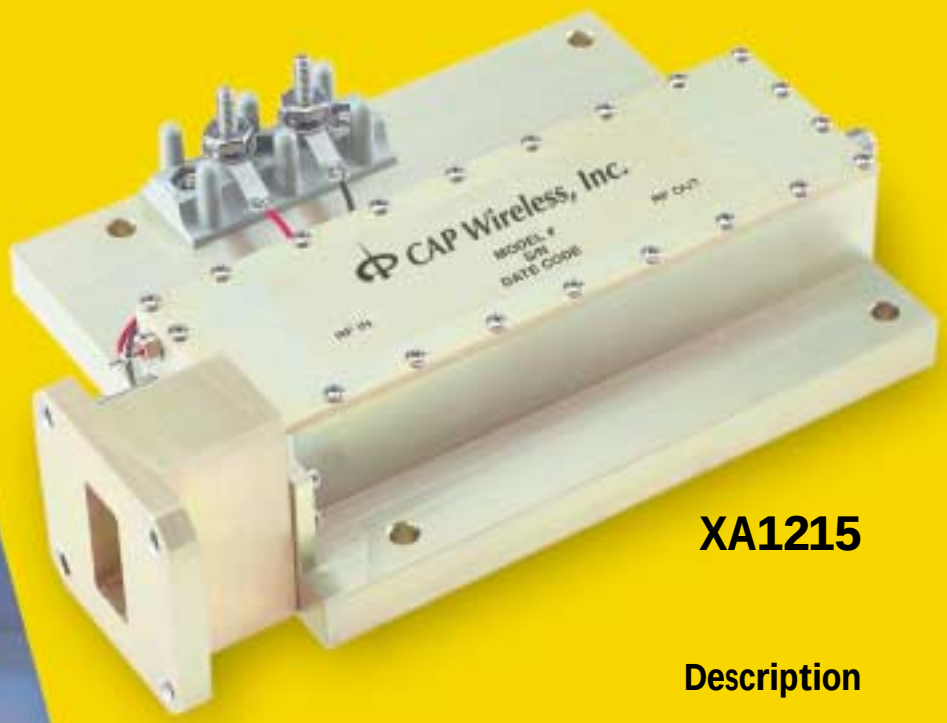
LOW NOISE AMPLIFIER

Features

- Low noise
- Gain / Phase Stabilized
- Single ended design w/input isolator
- Internal regulator/Active bias

Options

- Other frequencies
- Other bandwidths
- Other packages



XA1215

Description

Designed for front-end performance in Radar systems, these amplifiers utilize GaAs FET devices to achieve very low noise figure and excellent gain and phase stability. The input isolator and low noise FET ensures low noise figure and a good match, making these units ideal for use in radar front-end applications.

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Model	XA1215	Units
Frequency	9400-10000	MHz
Gain (min)	24	dB
Flatness p-p (max)	+/-1.0	dB
NF (max)	2.8	dB
VSWR in (max)	1.5:1	
VSWR out (max)	1.5:1	
P1dB GCP	+10	dBm
Voltage	+15	VDC
Current	100	mA

Operating temperature: -45 to +71°C.

Storage temperature: -50 to +85°C

Connectors: Input: WG / Output : SMA

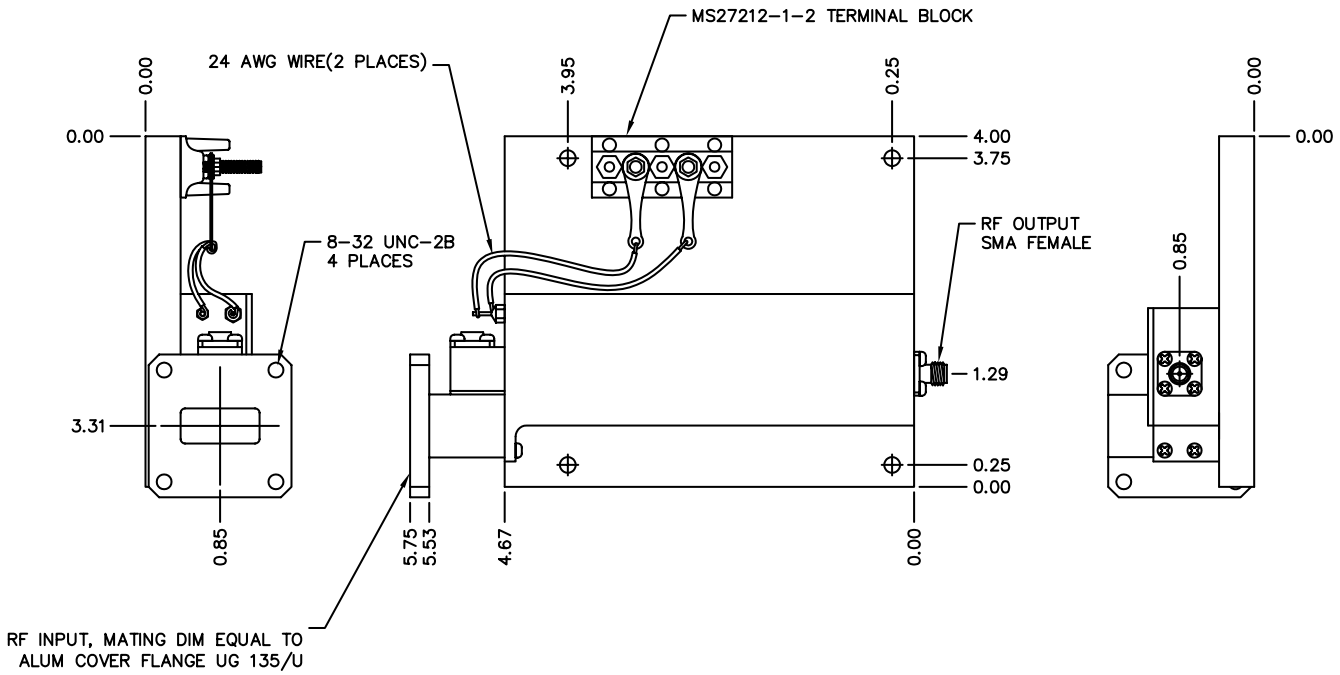
ISO 9001 : 2000

RADAR

LOW NOISE AMPLIFIER

XA1215

Outline Drawing F



CAP Wireless, Inc

Company Design Philosophy

Essential to the company's strategy is the use of the latest and most sophisticated design software available. These design tools include complete suites of Agilent-EEsof, and AWR- Microwave Office, circuit and system high frequency EDA tools. The company consistently achieves its goal of accurately creating "prototypes" in software, as evidenced by its ability to go directly from a simulated design to deliverable prototypes and rapidly ramp to fulfill volume requirements. A crucial element of the company's development philosophy is to "design for production" to drastically improve manufacturability by virtually eliminating tuning and adjustments as part of the manufacturing process. The result is lower cost, higher reliability products with predictable delivery times.

The products shown on these data sheets are merely a representation of the company's capabilities, where a library of designs is available to draw upon to meet specific customer performance requirements. If you have a unique requirement, contact the factory to explore the latest in technology.