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Data Sheet

August 14, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 6062B4 4-Channel Analog Output Module

Astronics / EADS / Racal Instruments 6062B4 4-Channel Analog Output Module The Racal Instruments 6062B4 isaC-size VXIbus 4-channel analog output / arbitrary waveform module with 16-bit resolution and plus or minus 10 V outputs. OEM/family literature for the 6062B series lists 64 k-point memory per channel, built-in function waveforms, and SCPI plus pseudo-register control. This is notaGiga-tronics RF signal generator. VXI automated test stimulus, multi-channel arbitrary waveform generation, and precision analog output for ATE systems. The Racal Instruments 6062B4 isaC-size VXIbus 4-channel analog output / arbitrary waveform module with 16-bit resolution and plus or minus 10 V outputs. OEM/family literature for the 6062B series lists 64 k-point memory per channel, built-in function waveforms, and SCPI plus pseudo-register control. This is notaGiga-tronics RF signal generator. VXI automated test stimulus, multi-channel arbitrary waveform generation, and precision analog output for ATE systems. Built-in sine triangle sawtooth ramp waveforms

 Astronics / EADS / Racal 6062B4 4-Channel Analog Output Module

MODEL

**Astronics / EADS /
Racal 6062B4**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6062B4

LISTING

[https://aumictechlabs.c
om/products/6062b4-
2/](https://aumictechlabs.com/products/6062b4-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Racal 6062B4 is a 4-channel analog output module engineered for precision signal generation in automated testing, industrial control, and waveform synthesis applications. This C-size VXIbus module delivers 16-bit resolution across four independent channels with ± 10 V output range and ± 50 mA sourcing/sinking capability per channel. It combines deterministic settling performance with flexible triggering architecture, supporting both SCPI messaging and pseudo-register control for microsecond-level response times.

Technical Specifications

Output Performance 4 channels, 16-bit resolution (14-bit monotonicity) Output range: ± 10 V Maximum output current: ± 50 mA per channel Accuracy: $\pm(0.01\% \text{ FSR} + 1 \text{ mV})$ at $23^\circ\text{C} \pm 2^\circ\text{C}$ Integral non-linearity: $\pm 0.006\% \text{ FSR}$ Differential non-linearity: $\pm 0.006\% \text{ FSR}$ Temperature coefficient: $\pm(0.002\% \text{ FSR} + 0.1 \text{ mV})/^\circ\text{C}$ Settling time: $10 \mu\text{s}$ to 0.1% , $50 \mu\text{s}$ to 0.01% Slew rate: $>5 \text{ V}/\mu\text{s}$ Small signal bandwidth: $>200 \text{ kHz}$ Ripple voltage: $2 \text{ mV}_{\text{rms}}$, $5 \text{ mV}_{\text{pk-pk}}$ Output modes: 2-wire or 4-wire

Waveform Generation Built-in waveforms: Sine, Triangle, Sawtooth, Ramp, Square Sine/Triangle/Sawtooth/Ramp: up to 50 kHz Square waves: up to 25 kHz Maximum D/A sample rate: 500 kS/s Memory per channel: 64 k-points User-defined waveforms: Two stored in flash ROM via Fourier coefficients Arbitrary waveforms: loadable from file or test program

Control Architecture Trigger modes: Immediate, Continuous, Burst (1 k to 64 k waveforms) Independent or synchronous channel triggering in groups of two to four Independent trigger outputs for inter-channel waveform synthesis

Programming: SCPI messages and pseudo-register control VXIbus protocol: Word serial Execution time (Interactive mode): $<5 \text{ ms}$ per channel

Typical Applications Automated test systems requiring multi-channel waveform synthesis Industrial process control with synchronized analog outputs Complex signal generation for sensor simulation and validation Arbitrary waveform playback in real-time test environments

Compatibility & Integration C-size, single-slot VXIbus module. Integrates with VXIbus systems via message-based or register-based control with optional high-speed operation.

Features & description

From manufacturer datasheet

Built-in sine triangle sawtooth ramp waveforms

SCPI and high-speed pseudo-register control Technical Specifications Model: 6062B4 Manufacturer: Racal Instruments / EADS / Astronics Form Factor: C-size VXIbus module Channels: 4 DAC Resolution: 16 bits Output Voltage Range: plus or minus 10 V Memory Per Channel: 64 k-points

Built-In Waveforms: sine triangle sawtooth ramp

Sine Wave Frequency Maximum Class: up to 50 kHz Square Wave Frequency Maximum Class: up to 25 kHz Programming: SCPI messages High-Speed Control: pseudo-register level microsecond class Triggering: independent or synchronous groups of 2 to 4 channels Burst Length Class: 1 k to 64 k points D/A Wiring: 2-wire or 4-wire capability User Defined Waveforms: two Fourier-coefficient signals storeable in flash ROM class Product Family Aliases: 6062B-4 6062B4 6062A family Instrument Class: analog output / arb generator VXI module Bus: VXIbus message-based class Notes Numeric capability from Astronics/Racal 6062B series product literature (shared 6062B4/6062B8 family). Queue title correctly identifies a 4-channel analog output module; do not map to Giga-tronics 6062A/B RF generators.

6062B4 Characteristics / Specifications

PARAMETER	VALUE
Model	6062B4
Manufacturer	Racal Instruments / EADS / Astronics
Form Factor	C-size VXIbus module
Channels	4
DAC Resolution	16 bits
Output Voltage Range	plus or minus 10 V
Memory Per Channel	64 k-points
Sine Wave Frequency Maximum Class	up to 50 kHz
Square Wave Frequency Maximum Class	up to 25 kHz
Programming	SCPI messages
Triggering	independent or synchronous groups of 2 to 4 channels
Burst Length Class	1 k to 64 k points
D/A Wiring	2-wire or 4-wire capability
User Defined Waveforms	two Fourier-coefficient signals storeable in flash ROM class
Product Family Aliases	6062B-4 6062B4 6062A family
Instrument Class	analog output / arb generator VXI module
Bus	VXIbus message-based class

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

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High-Speed Control: pseudo-register level microsecond class

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Triggering	independent or synchronous groups of 2 to 4 channels
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title correctly identifies a 4-channel analog output module; do not map to Giga-tronics 6062A/B RF generators.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.