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Data Sheet

August 14, 2026

ELMO MOTION CONTROL

Elmo Piccolo PiccoloPIC-6 Servo Amplifier

The Elmo Motion Control Piccolo PIC-6/200 Pic-Starter is a compact and powerful servo amplifier designed for brushless motors. It provides precise motor control and high performance in a small form factor, ideal for various industrial automation applications.

**MODEL****Elmo Motion
Control PIC-6/200****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****PIC-6/200****LISTING**<https://aumictechlabs.com/products/pic-6-200-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Elmo Motion Control Piccolo PIC-6/200 Pic-Starter is a compact and powerful servo amplifier designed for brushless motors. This device is engineered for motion systems requiring trapezoidal commutation performed by the amplifier itself, making it suitable for OEM market integration and direct mounting onto customer PC boards as a component. The amplifier adheres to UL508c and relevant CE regulations, utilizing a power stage implemented on a single ceramic substrate for high thermal conductivity, current carrying capacity, improved EMC, and mechanical strength. Its control section is built with dedicated custom ICs for enhanced reliability and performance through a high level of integration. Technical Specifications * Product Family: Piccolo Series Model Number: PIC-6/200 Type: Pic-Starter Servo Amplifier Motor Type: Brushless DC Motors Commutation: Trapezoidal commutation performed by the amplifier Design: Trimmerless design for OEM market Mounting: May be mounted directly on the customer's PC board as a component Compliance: Meets UL508c and relevant CE regulations Power Stage Construction: Implemented

on a single ceramic substrate for high thermal conductivity, high current carrying capacity, improved EMC, and good mechanical strength. Control Section: Implemented by dedicated custom ICs for higher reliability and improved performance due to high integration. Electrical Characteristics * Operation Mode: Current mode Internal Power Conversion: Internal DC to DC converter enables operation from a single supply. Command Reference Inputs: Two differential command reference inputs. Linearity: Excellent linearity. Current Limits: External continuous and peak current limit adjustments are available. Current Feedback: Current feedback multiplier for low current motors. Remote Control: Remote current gain control. Enable Input: Yes Motor Current Monitors: 3 motor current monitors. Status Indication: 4 open collector opto-couplers for status indication. Protective Functions: Latch mode of the protective functions. Interfaces * Command Reference Inputs: Two differential command reference inputs. Current Command Input: External continuous current limit. Feedback/I/O: Interface via solder pins. Status indication via 4 open collector opto-couplers. Physical Characteristics * Form Factor: Ultra-compact size, miniature servo amplifier. Package: Plated copper base plate, plastic housing, UL94V0 recognized.

Compatibility and Options * Pic-Starter Board: A special interface board designed for fast startup and evaluation. It includes screw-type terminals for all connections, four status LEDs, and sockets for current limiting and input scaling resistors. DIP switches are provided for quick selection of amplifier functions. Power pins require soldering, while signal pins plug in. The starter board shares the same footprint as the PICCOLO. Pic-Velocity Daughter Board: Extends the Piccolo line by adding a velocity loop. It allows operation in current or velocity mode, utilizing encoder or Hall sensor feedback. Includes forward and reverse limit switch inputs, diagnostic LEDs, and additional DC bus capacitance. DIP switches are provided for function selection, and socketed components allow for adjustment of current limits, command scaling, feedback scaling, and velocity loop tuning. Operating Ambient Temperature: Standard operating ambient temperature range is not specified in the provided documentation, but an optional range of -45 to 85°C (-49 to 185°F) is noted for some related Piccolo series models; consult factory for specific ratings. Certifications * Regulatory Compliance: Meets UL508c and relevant CE regulations. Why Choose Aumictech for Elmo Motion Control Piccolo PIC-6/200 Pic-Starter? At Aumictech, we specialize in supplying high-end motion control equipment. Whether you need precise motor control for complex automation solutions for demanding applications, or compact amplifiers for space-constrained designs, our team ensures the Elmo

Features & description

From manufacturer datasheet

Built-In Test Class: forward/reflected power module status supply monitors on higher power units

Remote Interface Options: Ethernet RS-422 RS-232 IEEE-488 Form Factor: 19 inch rack mount Series Family: Comtech PST Series BHE Height Class Sibling 200 W BHE: 5.22 in (13.26 cm) amplifier section class Width: 19 in rack Cooling: forced air Notes Frequency and power from Comtech PST BHE product table listing BHE2758-200 as 20-500 MHz 200 W. Shared BHE electrical protection rows from Comtech Class AB BHE catalog text.

PIC6200 Characteristics / Specifications

PARAMETER	VALUE
Model	BHE2758-200
Frequency Range	20 to 500 MHz
Rated Output Power	200 W
Class Of Operation	Class AB linear
Modulation Capability	AM FM CW pulse and phase
Load VSWR Protection	electronic power turndown self-correcting to infinite VSWR
Turndown Response Time Typical	60 us
Input Overdrive Protection	leveling loop to about plus 8 dB overdrive
AC Input 100 And 200 W Models	PFC universal 100-240 Vac 50/60 Hz
Efficiency AC To RF Typical	16 percent
Remote Interface Options	Ethernet RS-422 RS-232 IEEE-488
Form Factor	19 inch rack mount
Series Family	Comtech PST Series BHE
Height Class Sibling 200 W BHE	5.22 in (13.26 cm) amplifier section class
Width	19 in rack
Cooling	forced air

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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Modulation Capability	AM FM CW pulse and phase
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Cooling	forced air
Notes	
Frequency and power from Comtech PST BHE product table listing BHE2758-200 as 20-500 MHz 200 W. Shared BHE electrical protection rows from Comtech Class AB BHE catalog text.	

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.