

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Chroma A634702* at our website: ***Click HERE***

High Slew Rate DC Electronic Load Model No. 63472



High Slew Rate Load Control & Measurement Unit
Model 63472
200W/ 1200A/µs

KEY FEATURES

- Designed for VRM's, embedded VRD's and Power Pod testing
- Static Loading- Power rating: 200W
  Voltage range: 0-2V
  Current range: 150A
- Dynamic Loading- Current range: 150A
  Slew rate: Up to 1200A/µs
  Dynamic Freq: Up to 1MHz
  Duty control: 10-90%
- Built-in and user definable VID tables for flexibility
- Dynamic VID simulation
- Current&Voltage monitor output
- Measurements- Static mode: Vdc, Idc
  Dynamic mode: Vpk+, Vpk-
  Dynamic VID: Vpk check, Vdc for last VID

RS-232 GPIB CE

- Customized adapter boards for different types of VRMs, CPU sockets or Power Pod
- Optional Bias voltage source for CPU adapter for embedded testing scenarios
- Full protection: OP,OC and OV protection
- Versatile remote controller
- GPIB & RS-232 interfaces
- LabView Soft-panel

As a result of the exploding increase in CPU complexity according to Moore's Law, all modern processors require a low voltage with high instantaneous current power source. Voltage Regulator Modules, along with embedded solutions, are the only way to correctly supply these currents. A need to simulate this low voltage, high current with fast di/dt loading has become more important than ever. Every main board design using a VRM, Intel ®Itanium™ power pod or an embedded regulator (VRD) will need processor voltage supply performance qualification.

Integrating Intel®'s latest high di/dt test technology with years of experience in the design and manufacture of highly accurate, precision DC load and measurement instrumentation, the Chroma 63472 electronic load is your total solution for qualifying all main board Intel® processor power performance requirements!

The Chroma 63472 electronic load provides 150A of static, DC load with 150A of dynamic load - featuring up to 1200A/us slew rate! This fully controllable capability, along with Dynamic VID control and sophisticated measurement functions, comprises a total solution - all in one unit. Gone is the need for the individual equipment stack of traditional test setups, saving precious bench space and expense. The Chroma 63472 can replace a function generator, oscilloscope, DVM, DC load bank, in addition to any customized dynamic load and VID control circuitry.

Similarly, the Chroma 63472 makes an economical choice for all your production line test requirements. From industry data, more than 5% of today's main boards fail due to on-board converter failures. The Chroma 63472 can quickly identify suspect units in production - well ahead of an expensive service call.

ORDERING INFORMATION

63472 : High Slew Rate Load Control & Measurement Unit
A634701 : Remote controller for 63472
A634702 : Transient Load
A634703 : Test fixture for Power Pod
A634704 : Test fixture for VRM10.0
A634705 : Socket 478 Interposer Card
A634706 : Socket 604 Interposer Card of Single Voltage
A634707 : Socket 604 Interposer Card of Dual Voltage
A634708 : Socket 604 Interposer Card of Triple Voltage
A634709 : 19" Rack Mounting Kit
A634710 : Test fixture for MVR Rev 1.4
A634711 : LGA 775 Interposer Card (6 Bits)
A634712 : Test fixture for VRM11.0
A630002 : GPIB Interface for Model 6304/6314/6340 Mainframe

SPECIFICATIONS

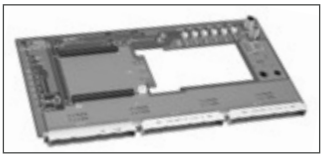
Model	63472
Static Load Section	
Power	200W
Current	
Range	0~150A
Resolution	12bits
Accuracy	0.1% + 0.2%F.S.
Voltage	
Range	0~2V
Min. Voltage	0.5V @ full load
Protection	
OCP	165A
OVP	2.1V
Dynamic Load Section	
Current Range	0~150A
Dynamic~clock	1MHz(10~90%)
Resolution	1%
Accuracy	100 ppm
Slew Rate	100A/µs~1000A/µs
Min. rise time	100ns
TTL Output	
Level	Low (<0.8V), High (>3.15V)
VID code	6 bits
OUTEN	Yes
Aux. Power	
Outputs	+12V /+5V
Current	0.5A / 0.3A
Power	7.5W total
Load regulation	5%
Measurement Section	
Input Section	
Input Voltage Read Back	
Range	15V / 58V (Auto)
Resolution	16bits
Accuracy	0.05% + 0.05%F.S.
Input Current Read Back	
Range	0.5V(refer to 5A)/2.5V(refer to 25A) (Auto)
Resolution	16bits
Accuracy	0.1% + 0.1%F.S.
Static Mode	
Voltage Read Back	
Range	0~2V
Resolution	16bits
Accuracy	0.05% + 0.05%F.S.
Current Read Back	
Range	0~150A
Resolution	16bits
Accuracy	0.1% + 0.1%F.S.
Dynamic Mode	
I Monitor Read Back	
Range	0~0.536V (refer to 150A)
Resolution	12bits
Accuracy	0.5% + 0.2%F.S.
Peak Voltage	
I Monitor Read Back	
Range	0~2V
Resolution	12bits
Accuracy	0.5% + 0.2%F.S.
Dynamic VID	
Voltage Read Back	
Range	0~2V
Resolution	12bits
Accuracy	0.5% + 0.2%F.S.
Dynamic VID Control	
Dwell Time	
Range	5µs~10ms
Resolution	1µs
Others	
Interface	
RS-232	For A634701 Remote Controller or PC Control
GPIB	Optional
Dimension (H x W x D)	133.35 x 428.3 x 380 mm / 5.25 x 16.86 x 14.96 inch
Weight	16.7 kg / 36.78 lbs



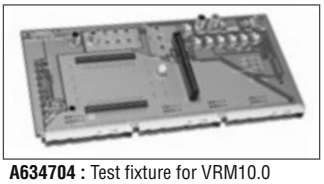
A634701 : Remote Controller



A634702 : Transient Load



A634703 : Test fixture for Power Pod



A634704 : Test fixture for VRM10.0



A634705 : Adapter Board for Socket 478

All specifications are subject to change without notice.
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP