



## **Bonitron M3452-u1200Yk10-r7E Heavy Duty Braking Transistor 690Vac**

The Bonitron M3452-U1200YK10-R7E Heavy Duty Braking Transistor is a high-capacity dynamic braking solution engineered to dissipate regenerative energy from AC drives in demanding industrial applications. Designed for 690VAC systems, this robust braking transistor helps maintain optimal drive operation during deceleration, emergency stops, or overhauling loads by safely converting excess DC bus voltage into heat. With a peak current capacity of 1200ADC and a continuous rating of 600ADC, the M3452 model offers powerful energy management for heavy-duty systems in manufacturing, material handling, and process control environments.

### **Key Features:**

- Heavy-duty braking transistor designed for high-voltage 690VAC systems
- Handles peak currents up to 1200ADC and continuous operation at 600ADC
- Fast turn-on at 1090VDC ensures effective braking response under load
- 115VDC control voltage with built-in interface and control boards for system integration
- Durable industrial-grade design suitable for harsh operating conditions

### **Specifications:**


- Product Name: Bonitron M3452-U1200YK10-R7E Heavy Duty Braking Transistor
- System Voltage: 690VAC


- Turn-On Voltage: 1090VDC
- Control Voltage: 115VDC
- Peak/Continuous Current: 1200ADC / 600ADC
- Included Modules: Interface Board (3452I2D), Control Board (3452R7H / 3452R7H2), Version 1.3.3
- Certifications: 94V-0 Flame Rating, E160798
- Instruction Manual: D\_M3452\_CMAN\_VK10-10M14AIR7
- Weight: 18.600 kg

Engineered by Bonitron, a leader in energy management solutions, the M3452-U1200YK10-R7E delivers reliable braking power for high-inertia applications, ensuring the safe operation and longevity of variable frequency drives. Built with rugged components and integrated control electronics, it's a vital component for any high-performance drive system requiring controlled deceleration and protection from overvoltage. Choose Bonitron for superior braking performance and system safety in your industrial drive installations.

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