

Power Up Efficiency with 1200V Super-Fast Recovery Diodes in TO-247AD

SUPER-FAST RECOVERY DIODES



Features

- 1200V reverse voltage rating
- High current capability for demanding loads
- Super-fast recovery time
- Ultrasoft recovery behavior to reduce switching noise
- Designed for high-frequency operation
- Rugged construction for industrial environments



Benefits

Higher system efficiency: Fast, ultrasoft recovery helps reduce switching losses and heat generation.

Improved reliability in demanding applications: Rugged design and high voltage rating support stable operation in industrial power and backup power systems.

Applications



Welding
equipment



Power Factor
Correction

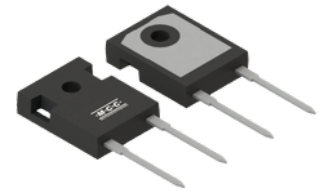


Energy storage
systems



Reliable 1200V Diodes for High-Frequency Systems

Built for Tough Power Conversion Demands



Product Attributes, Parametrics & Datasheets

Product	Type	Package	IF(AV)(A)	VRWM(V)	VF (V) [max]@IF(A)	Datasheet
<u>MURZ50120P</u>	Super Fast Recovery Rectifier	<u>TO-247AD</u>	50	1200	1.85	<u>Info</u>
<u>MURZ75120P</u>	Super Fast Recovery Rectifier	<u>TO-247AD</u>	75	1200	1.85	<u>Info</u>

Applications



Industrial Power & Automation

- Welding equipment (MIG/TIG/arc welders)
- Industrial power controllers and regulators
- Motor drives and soft starters
- Industrial battery chargers and DC power supplies
- High-current rectifiers for plating and electrolysis systems

Power Conversion & Power Quality

- Power Factor Correction (PFC) stages (boost PFC, totem-pole PFC)
- Front-end rectification in high-power SMPS and inverters
- Active and passive power conditioning systems
- High-frequency DC/DC converter input/output rectifiers
- Harmonic mitigation and power quality improvement equipment

Backup Power & Energy Infrastructure

- Uninterruptible Power Supply (UPS) systems (offline, line-interactive, online)
- Data center and telecom backup power rectifier stages
- Energy storage systems (battery-based and hybrid) front-end rectification
- Emergency power systems and backup generators' power conditioning units

CONTACT MCC TO REQUEST A SAMPLE

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