



Product Overview

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MUR8100E: 1000 V, 8.0 A Ultrafast Rectifier

For complete documentation, see the data sheet

Product Description

Ultrafast "E" Series with High Reverse Energy Capability

... designed for use in switching power supplies, inverters and as free wheeling diodes, these state-of-the-art devices have the following features:

Features

- 20 mJoules Avalanche Energy Guaranteed
- Excellent Protection Against Voltage Transients in Switching Inductive Load Circuits
- Ultrafast 75 Nanosecond Recovery Time
- 175°C Operating Junction Temperature
- Popular TO-220 Package
- Epoxy Meets UL94, V₀ @ 1/8"
- Low Forward Voltage
- Low Leakage Current
- High Temperature Glass Passivated Junction
- Reverse Voltage to 1000 Volts

Mechanical Characteristics:

Part Electrical Specifications

Product	Compliance	Status	Type	I _{O(rec)} Max (A)	t _{rr} Max (ns)	V _{RRM} Max (V)	V _{FM} Max (V)	I _{FSM} Max (A)	I _R Max (mA)	Package Type
MUR8100EG	Pb-free	Active	Ultrafast	8	75	1000	1.8	100	0.5	TO-220-2

Package Availability

Type	Pb-free	Standard
TO-220-2	✓	✓

For more information please contact your local sales support at www.onsemi.com