

## Product Overview

### MURA205: Power Rectifier, Ultra-Fast Recovery, 2 A, 50 V

For complete documentation, see the data sheet.

The Ultrafast Power Rectifier is ideally suited for high voltage, high frequency rectification or as free wheeling and protection diodes in surface mount applications, where compact size and weight are critical to the system.

### Features

- Small Compact Surface Mountable Package with J-Bend Leads
- Rectangular Package for Automated Handling
- High Temperature Glass Passivated Junction
- Low Forward Voltage Drop (0.74 Volts Max @ 2.0 A, T<sub>J</sub> = 150°C)

#### Mechanical Characteristics:

- Case: Epoxy, Molded
- Weight: 70 mg (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
- Lead and Mounting Surface Temperature for Soldering Purposes: 260°C Max. for 10 Seconds
- Shipped in 12 mm Tape and Reel, 5000 units per reel
- Polarity: Polarity Band Indicates Cathode Lead

For more features, see the data sheet

### Part Electrical Specifications

Product	Compliance	Status	Type	I <sub>O(rec)</sub> Max (A)	t <sub>rr</sub> Max (ns)	V <sub>RRM</sub> Max (V)	V <sub>FM</sub> Max (V)	I <sub>FSM</sub> Max (A)	I <sub>R</sub> Max (mA)	Package Type
MURA205T3G	Pb-free	Active	Ultrafast	2	30	50	0.94	50	0.002	SMA-2
	Halide free									
MURA210T3G	Pb-free	Active	Ultrafast	2	30	100	0.94	50	0.002	SMA-2
	Halide free									
NRVUA210VT3G	AEC Qualified	Active	Ultrafast	2	30	100	0.94	50	0.002	SMA-2
	PPAP Capable									
	Pb-free									
	Halide free									
SURA8205T3G	AEC Qualified	Active	Ultrafast	2	30	50	0.94	50	0.002	SMA-2
	PPAP Capable									
	Pb-free									
	Halide free									
SURA8210T3G	AEC Qualified	Active	Ultrafast	2	30	100	0.94	50	0.002	SMA-2
	PPAP Capable									
	Pb-free									
	Halide free									

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