



Product Overview

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

For complete documentation, see the data sheet

Product Description

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_J = 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

Part Electrical Specifications

Product	Compliance	Status	Type	$I_{Q(rec)}$ Max (A)	t_{rr} Max (ns)	V_{RRM} Max (V)	V_{FM} Max (V)	I_{FSM} Max (A)	I_R Max (mA)	Package Type
MURA205T3G	AEC Qualified Pb-free Halide free	Active	Ultrafast	2	30	50	0.94	50	0.002	SMA-2
MURA210T3G	AEC Qualified Pb-free Halide free	Active	Ultrafast	2	30	100	0.94	50	0.002	SMA-2
SURA8205T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	2	30	50	0.94	50	0.002	SMA-2
SURA8210T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	2	30	100	0.94	50	0.002	SMA-2

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

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