



## Product Overview

### MURS340: Power Rectifier, Ultra-Fast Recovery, 2 A, 400 V

For complete documentation, see the data sheet

#### Product Description

The Ultrafast Rectifier employs state of the art epitaxial construction with oxide passivation and metal overlay contact. It 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
- Highly Stable Oxide Passivated Junction
- Low Forward Voltage Drop (0.71 to 1.05 Volts Max @ 3.0 A,  $T_J = 150\text{ C}$ )

Mechanical Characteristics:

- Case: Epoxy, Molded
- Weight: 217 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 16 mm Tape and Reel, 2500 units per reel
- Polarity: Notch in Plastic Body 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
MURS340T3G	AEC Qualified Pb-free Halide free	Active	Ultrafast	3	75	400	1.25	75	0.01	SMC-2
SURS8340T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	3	75	400	1.25	75	0.01	SMC-2

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