

## Product Overview

### MBRA340: Schottky Power Rectifier, Surface Mount, 3.0 A, 40 V

For complete documentation, see the data sheet.

The Schottky Rectifier employs the Schottky Barrier principle in a large area metal-to-silicon power diode. The Schottky Rectifier's state-of-the-art geometry features epitaxial construction with oxide passivation and metal overlay contact. It is ideally suited for low voltage, high frequency rectification, or as free wheeling and polarity protection diodes in surface mount applications where compact size and weight are critical to the system.

### Features

- Compact Surface Mountable Package with J-Bent Leads
- Rectangular Package for Automated Handling
- Highly Stable Oxide Passivated Junction
- Very Low Forward Voltage Drop
- Guardring for Stress Protection
- All External Surfaces are Corrosion Resistant and Terminal Leads are Readily Solderable
- Cathode Lead Indicated by polarity Band
- ESD Ratings, Machine Model = C, Human Body Model = 3B
- Device Meets MSL 1 Requirements
- AEC-Q101 Qualified and PPAP Capable

For more features, see the data sheet

### Applications

- Polarity Protection

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Configuration	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max ( $\mu$ A)	$I_{O(ree)}$ Max (A)	$I_{FSM}$ Max (A)	$t_{rr}$ Max (ns)	$C_j$ Max (pF)	Package Type
MBRA340T3G	0.1325	Pb-free	Active	Single	40	0.45	300	3	100	-	-	SMA-2
		Halide free										
NRVBA340NT3G	0.1733	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	40	0.45	300	3	100	-	-	SMA-2
NRVBA340NT3G-IR02	0.2267	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	40	0.45	300	3	100	-	-	SMA-2

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