



## Surface Mount Schottky Rectifier

### Features

- Low profile package
- Ideal for automated placement
- Guardring for overvoltage protection
- Low power losses, high efficiency
- High forward surge capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C
- Part no. with suffix "Q" means AEC-Q101 qualified

### Typical Applications

For use in low voltage high frequency inverters, freewheeling, DC/DC converters, automotive and polarity protection applications.

### Mechanical Data

**Package:** SOD-323HE

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

**Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

**Polarity:** Cathode li

Repetitive peak reverse voltage	$V_{RRM}$	V	20
Maximum RMS voltage	$V_{RMS}$	V	14
Maximum DC blocking voltage	$V_{DC}$	V	20
Maximum average forward rectified current at $T_L$ (Fig.1)	$I_{F_{AV}}$	A	1.0
Surge(non-repetitive)forward current @60Hz half-sine wave,1 cycle, $T_J=25$	$I_{FSM}$	A	30

Voltage rate of change (rated V

1





**Marking Information**

**Outline Dimensions**

SOD-323HE		
Dim	Millimeters	
	Min	Max

**Suggested pad layout**



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