



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)



Marking Information

Outline Dimensions

SOD-323HE		
Dim	Millimeters	
	Min	Max

Suggested pad layout



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