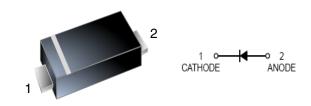


Fast Switching Diode in SOD-323F

Features

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance



Mechanical Data

- Case: SOD-323F (plastic package). Lead free; RoHS compliant
- Molding Compound Flammability Rating: UL 94 V-0
- **Terminals:** High temperature soldering guaranteed: 260 °C/10 sec. at terminals

Applications

- High Speed Switching and Reverse Polarity Protection
- High Speed Rectifying Applications
- Consumer, Automotive and Telecommunication Industry

Absolute Maximum Ratings

Ratings at 25 °C, ambient temperature unless otherwise specified

Symbol	Parameter	Value	Unit
V_{RRM}	Peak Repetitive Reverse Voltage	250	V
lo	Continuous Forward Current	200	mA
I _{FSM}	Non-repetitive Peak Forward Surge Current@t=1us	4.0	Α
P _D	Power Dissipation	350	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	625	°C/W
T _j	Junction Temperature	150	℃
T _{stg}	Storage Temperature	-55~+150	$^{\circ}$

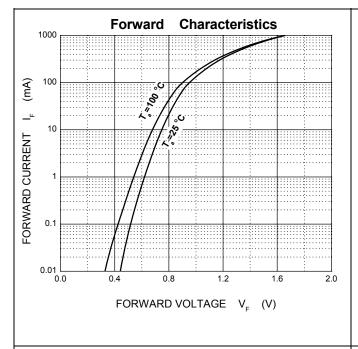
Electrical Characteristics

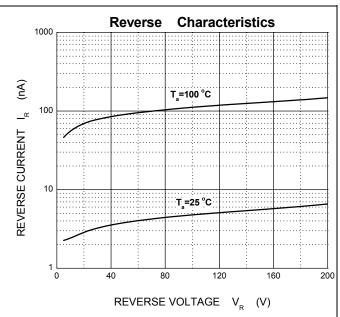
(T_A = 25 °C unless otherwise specified)

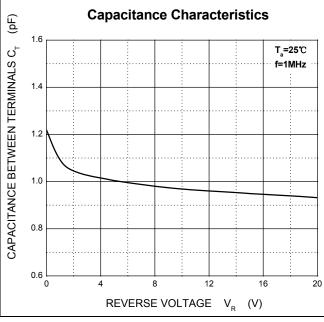
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Forward voltage	V_{F}			1.0	V	I _F =100mA
Reverse current	I _R			0.15	μΑ	V _R =250V
Capacitance between terminals	Ст			5	pF	V _R =0.5V,f=1MHz
Reverse recovery time	t _{rr}			50	ns	I_F =10mA , V_R =6 V , R_L =100 Ω

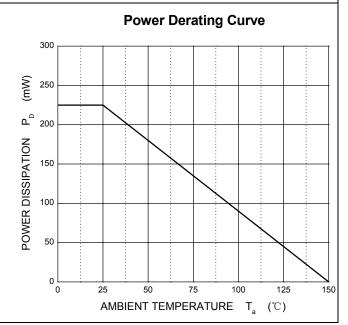


Typical Characteristics (T_{amb} = 25 °C unless otherwise specified)



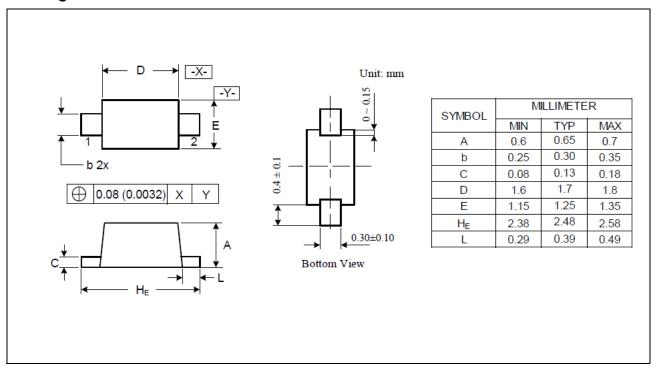








Package Dimensions



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
BAS21WS	SOD-323F	Tape and reel	3000pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2016	1.0	Initial release

Rev. 1.0 www.crea-tek.com



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