

## ● FEATURES

- High current rectifier Schottky diode with low VF drop
- Low voltage, low inductance
- For power supply
- For detection and step-up-conversion



## MARKING: 5

## ● Maximum Ratings and Electrical Characteristics, Single Diode @T<sub>A</sub>=25°C

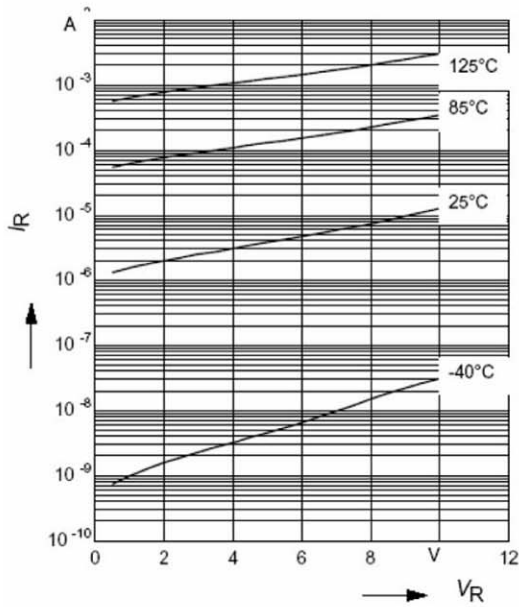
Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	V <sub>RM</sub>	10	V
Forward current	I <sub>F</sub>	3	A
Forward surge Current t <sub>p</sub> =10ms	I <sub>FSM</sub>	5	A
Power dissipation T <sub>C</sub> =25°C	P <sub>tot</sub>	350	mW
Junction temperature	T <sub>J</sub>	150	°C
Storage temperature	T <sub>STG</sub>	-65~+150	°C

## ● Electrical Ratings @T<sub>A</sub>=25°C

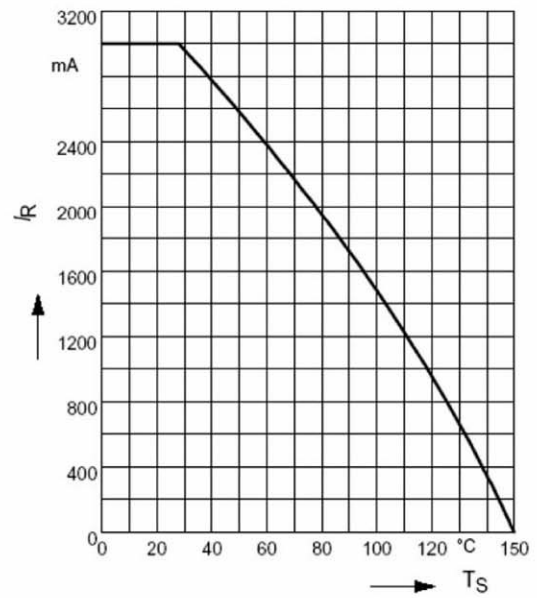
Parameter	Symbol	Min.	Typ	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>			300 380 500 600	mV	I <sub>F</sub> =10mA I <sub>F</sub> =100mA I <sub>F</sub> =500mA I <sub>F</sub> =1000mA
Reverse current	I <sub>R</sub>			15 25	μA	V <sub>R</sub> =5V V <sub>R</sub> =8V
Capacitance between terminals	C <sub>T</sub>			30	pF	V <sub>R</sub> =5V, f=1MHz

### Reverse current $I_R = f(V_R)$

$T_A = \text{Parameter}$

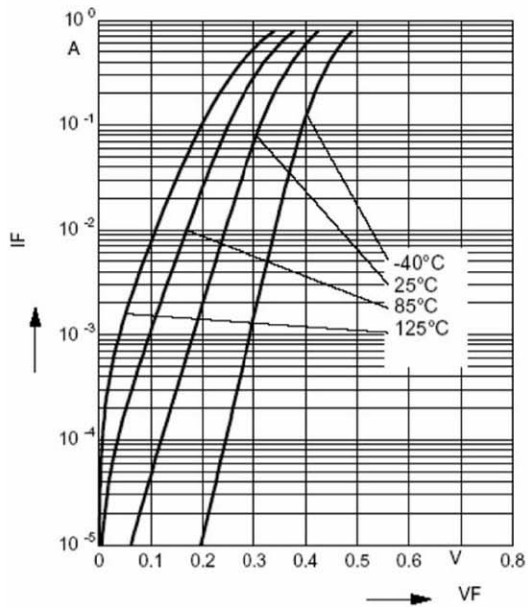


### Forward current $I_F = f(T_S)$



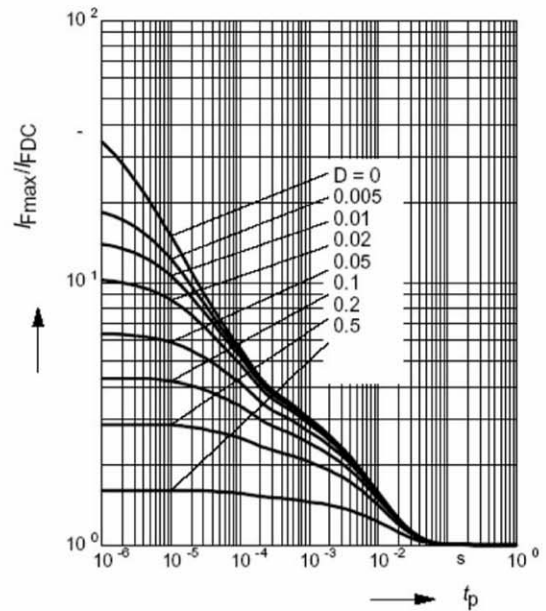
### Forward current $I_F = f(V_F)$

$T_A = \text{Parameter}$

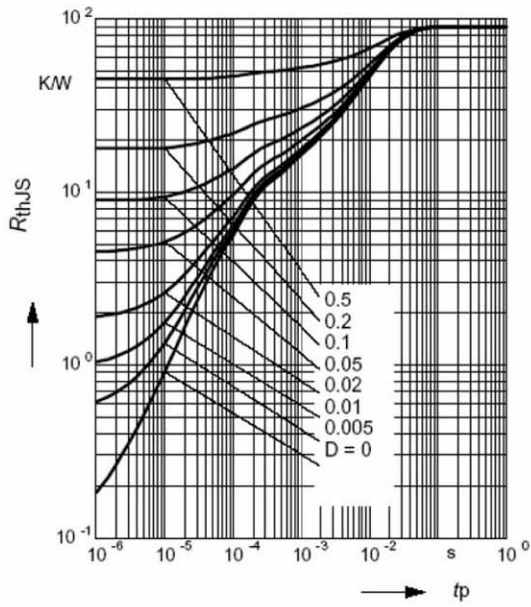


### Permissible Pulse Load

$I_{Fmax} / I_{FDC} = f(t_p)$

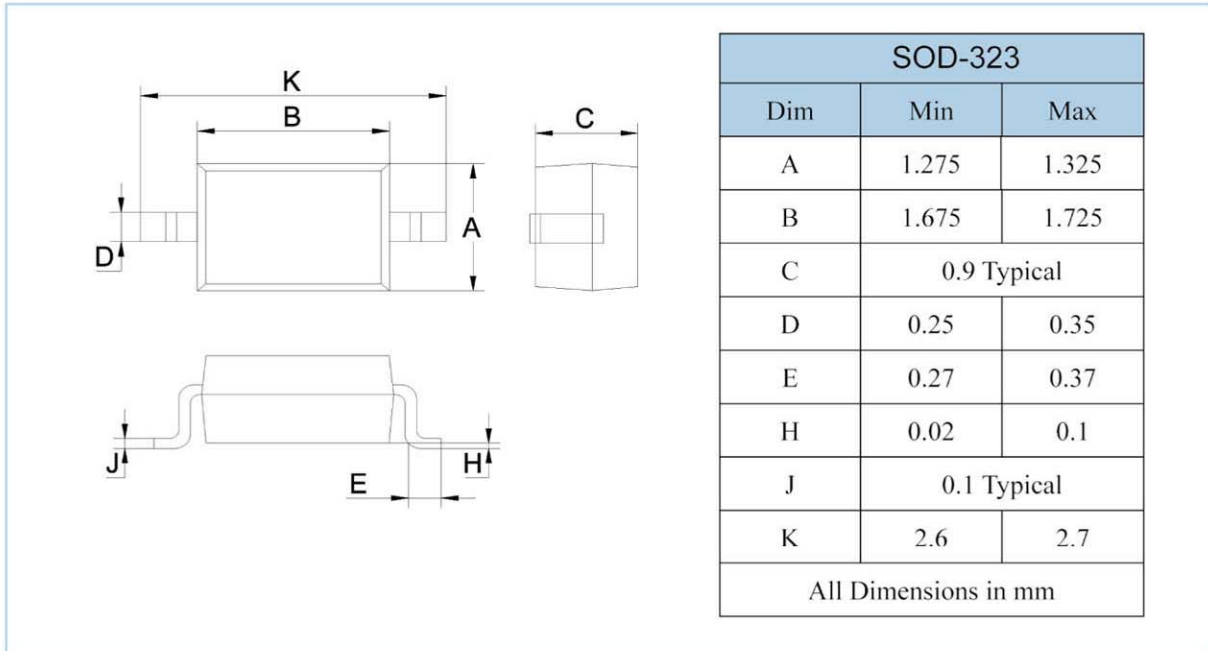


Permissible Puls Load  $R_{thJS} = f(t_p)$

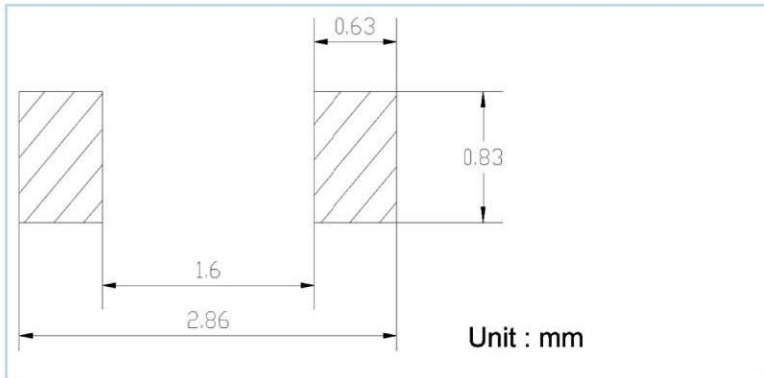


## PACKAGE OUTLINE

Plastic surface mounted package



## SOLDERING FOOTPRINT



## PACKAGE INFORMATION

Device	Package	Shipping
BAT60B	SOD-323	3000/Tape&Reel