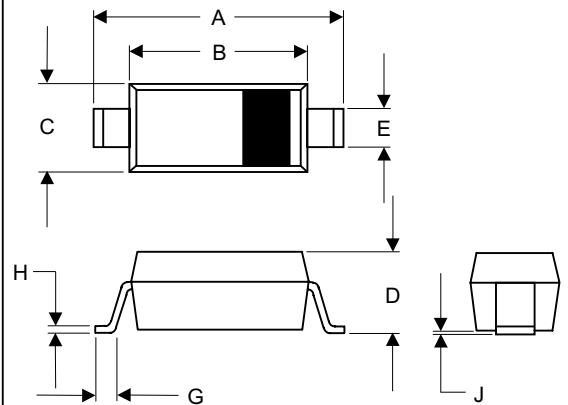


# BAT60B

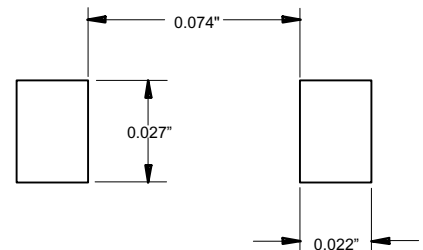
## Small Signal Schottky Diode

### SOD-323



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	-----	.006	-----	0.15	

#### SUGGESTED SOLDER PAD LAYOUT



## Features

- Marking: W5
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- High Current Schottky Diode with low VF drop
- Low Voltage, Low Inductance
- For Power Supply
- For clamping and protection in low voltage application
- For detection and step-up conversion
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

## Maximum Ratings

Symbol	Parameter	Rating	Unit
$V_{RM}$	Peak Reverse Voltage	10	V
$I_F$	Peak Forward Current	3	A
$I_{FSM}$	Forward Surge Current, $t_p=10ms$	5	A
$P_d$	Power Dissipation, $T_c=25^\circ C$	250	mw
$T_J$	Junction Temperature	150	$^\circ C$
$T_{STG}$	Storage Temperature	-65 to +150	$^\circ C$
Rthja	Thermal Resistance Junction to Ambient	500	K/W

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
$V_F$	Forward Voltage ( $I_F=10mA_{dc}$ )	---	---	300	mVdc
	( $I_F=100mA_{dc}$ )	---	---	380	
	( $I_F=500mA_{dc}$ )	---	---	500	
	( $I_F=1000mA_{dc}$ )	---	---	600	
$I_R$	Reverse Current ( $V_R=5V_{dc}$ )	---	---	15	uAdc
	( $V_R=8V_{dc}$ )	---	---	25	
$C_T$	Diode Capacitance ( $V_R=5V, f=1MHz$ )	---	---	30	pF

**Ordering Information**

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel