



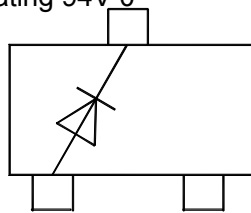
Micro Commercial Components

Micro Commercial Components
 20736 Marilla Street Chatsworth
 CA 91311
 Phone: (818) 701-4933
 Fax: (818) 701-4939

BAS19WT
BAS20WT
BAS21WT

Features

- Power dissipation: 200mW ($T_{amb}=25^{\circ}C$)
- Collector current: 200mA
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0



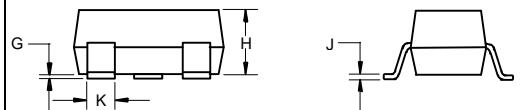
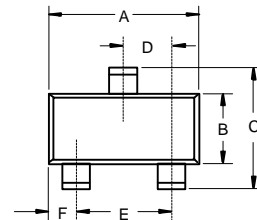
Marking:
 BAS19WT KA8
 BAS20WT KT2
 BAS21WT KT3

200mW Switching Diode

Maximum Ratings

- Operating Temperature: $-55^{\circ}C$ to $+150^{\circ}C$
- Storage Temperature: $-55^{\circ}C$ to $+150^{\circ}C$

SOT-323

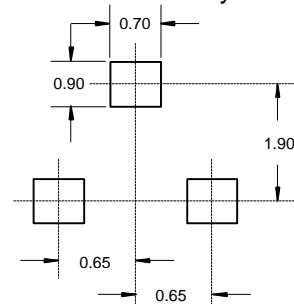


Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Voltage BAS19WT BAS20WT BAS21WT	V_R	100V 150V 200V	$I_R=100 \mu A$
Peak Forward Current	I_F	200mA	
Maximum Instantaneous Forward Voltage	V_F	1.0V 1.25V	$I_{FM}=100mA$; $I_{FM}=200mA$;
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	0.1 μA	$V_R=100Volts$ (BAS19WT) $V_R=150Volts$ (BAS20WT) $V_R=200Volts$ (BAS21WT)
Diode Capacitance	C_D	5pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery Time	T_{rr}	50ns	$I_F=I_R=30mA$ $I_{rr}=0.1I_R$

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026 Nominal		0.65Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.012	.016	.30	.40	

Suggested Solder Pad Layout





TM

Micro Commercial Components

*****IMPORTANT NOTICE*****

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. *Micro Commercial Components Corp.* does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold *Micro Commercial Components Corp.* and all the companies whose products are represented on our website, harmless against all damages.

*****APPLICATIONS DISCLAIMER*****

Products offer by *Micro Commercial Components Corp.* are not intended for use in Medical, Aerospace or Military Applications.