



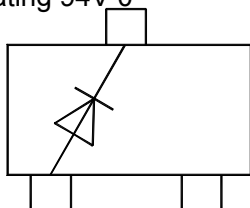
Micro Commercial Components

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BAS19WT
BAS20WT
BAS21WT

Features

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



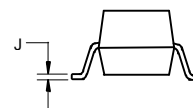
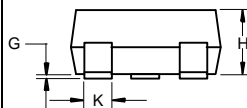
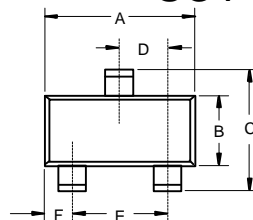
Marking:
BAS19WT KA8
BAS20WT KT2
BAS21WT KT3

200mW Switching Diode

Maximum Ratings

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

SOT-323



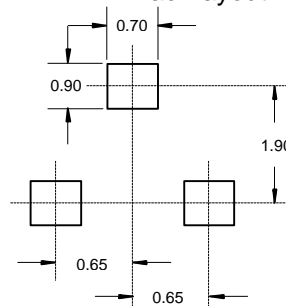
Electrical Characteristics @ 25°C Unless Otherwise Specified

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

DIMENSIONS

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





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