



Micro Commercial Components

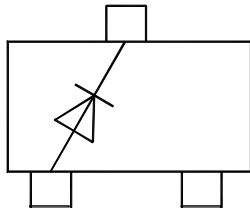


Micro Commercial Components  
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**BAS19WT  
 BAS20WT  
 BAS21WT**

**Features**

- Power dissipation: 200mW ( $T_{amb}=25^{\circ}C$ )
- Collector current: 200mA
- Halogen free available upon request by adding suffix "-HF"



**Marking:** BAS19W KA8  
 BAS20W KT2  
 BAS21W KT3

**200mW Switching Diode**

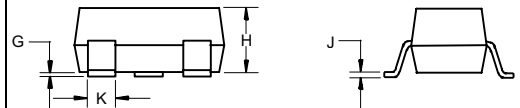
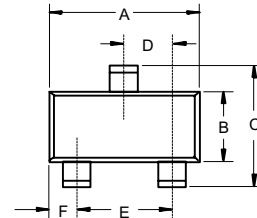
**Maximum Ratings**

- Operating Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$
- Storage Temperature:  $-55^{\circ}C$  to  $+150^{\circ}C$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

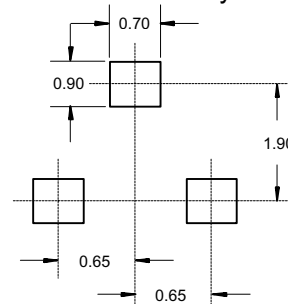
Reverse Voltage BAS19WT BAS20WT BAS21WT	$V_R$	100V 150V 200V	$I_R=100 \mu A$
Peak Forward Current	$I_F$	200mA	
Maximum Instantaneous Forward Voltage	$V_F$	1.0V 1.25V	$I_{FM}=100mA$ ; $I_{FM}=200mA$ ;
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	0.1 $\mu A$	$V_R=100Volts(BAS19WT)$ $V_R=150Volts(BAS20WT)$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

**SOT-323**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.083	.096	2.10	2.45	
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	.006	.016	.15	.40	

**Suggested Solder Pad Layout**





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### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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