



Micro Commercial Components

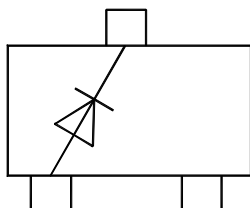


Micro Commercial Components
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BAS19WT
BAS20WT
BAS21WT

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

Maximum Ratings

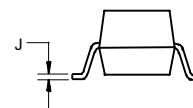
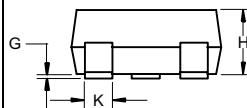
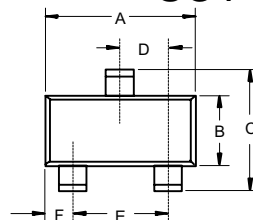
- Operating Temperature: $-55^{\circ}C$ to $+150^{\circ}C$
- Storage Temperature: $-55^{\circ}C$ to $+150^{\circ}C$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Electrical Characteristics @ $25^{\circ}C$ 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	$I_F=I_R=30mA$ $I_{rr}=0.1I_R$

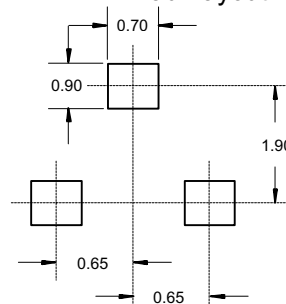
200mW Switching Diode

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



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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