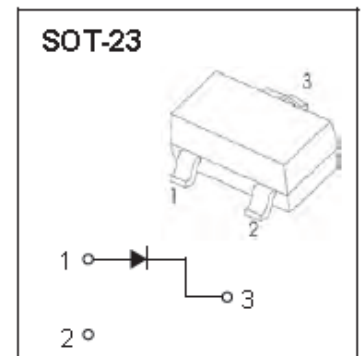
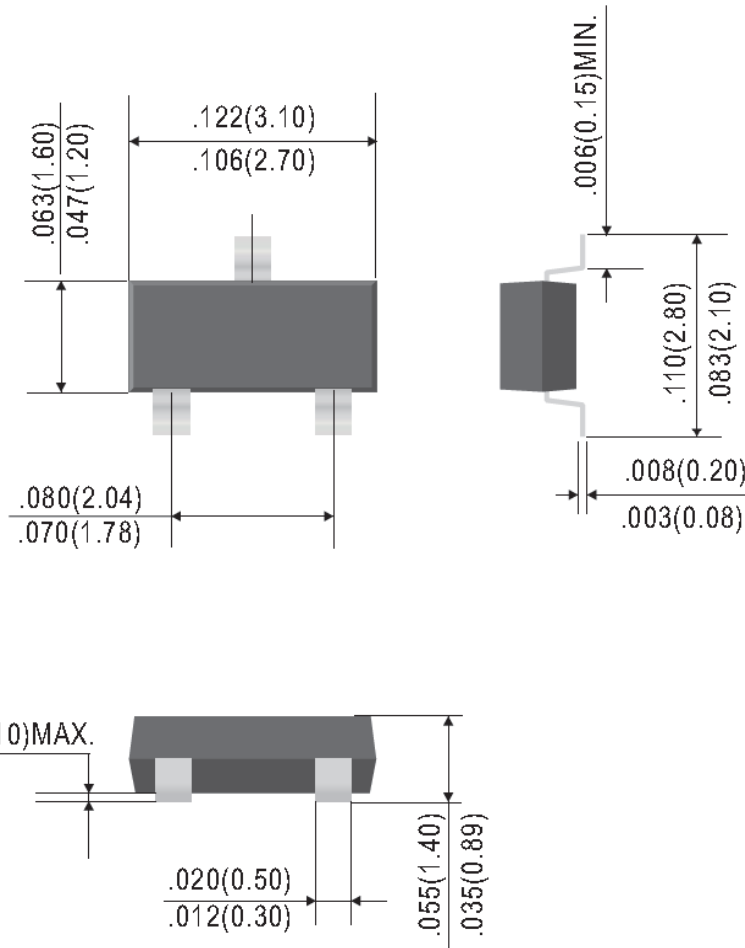




Dimensions in inches and (millimeters)

FEATURES

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance
- Pb-Free package is available
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

MARKING:

BAS19	JP
BAS20	JR&A80

Maximum Ratings (T _a =25°C unless otherwise noted)				
Parameter	Symbol	BAS19	BAS20	Unit
Non-Repetitive Peak reverse voltage	V _{RM}	100	150	V
DC Blocking Voltage	V _R			
Average Rectified Forward Current	I _O	200		mA
Power Dissipation	P _D	200		mW
Thermal Resistance From Junction To Ambient	R _{θJA}	625		°C/W
Junction temperature	T _J	150		°C
Operating/ Storage temperature	T _{STG}	-55~+150		°C

Electrical Characteristics (T _a =25°C unless otherwise noted)							
Parameter		Symbol	Test conditions	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	BAS19	V _{(BR)R}	I _R = 100μA	100	—	—	V
	BAS20			150	—	—	
Reverse voltage leakage current	BAS19	I _R	V _R =100V	—	—	0.1	μA
	BAS20		V _R =150V	—	—		
Forward voltage		V _F	I _F =100mA	—	—	1	V
			I _F =200mA	—	—	1.25	
Total capacitance		C _T	V _R =0V, f=1MHz	—	—	5	pF
Reverse Recovery Time		t _{rr}	I _F =I _R =30mA I _{rr} =0.1XI _R	—	—	50	ns