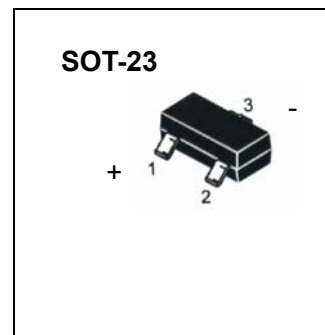
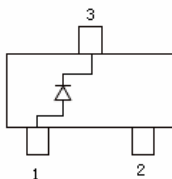


**BAS19/ BAS20** SWITCHING DIODE**FEATURES**

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance

**Maximum Ratings @T_A=25°C**

Parameter Symbol		BAS19	BAS20	Unit
Non-Repetitive Peak reverse voltage	V_{RM}	100	150	V
DC Blocking Voltage	V_R			
Average Rectified Output Current	I_O	200		mA
Power Dissipation	P_d	250		mW
Thermal Resistance. Junction to Ambient Air	$R_{\theta JA}$	500		°C/W
Junction temperature	T_J	150		°C
Storage temperature range	T_{STG}	-65-150		°C

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless other wise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R = 100\mu A$	100		V
			150		
Reverse voltage leakage current	I_R	$V_R = 100V$ $V_R = 150V$		0.1	μA
Forward voltage	V_F	$I_F = 100mA$ $I_F = 200mA$		1 1.25	V
Junction Capacitance	C_J	$V_R = 0V, f = 1MHz$		5	pF
Reveres recovery time	t_{rr}	$I_F = I_R = 30mA, I_{rr} = 0.1 \times I_R$		50	nS

Typical Characteristics

