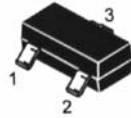


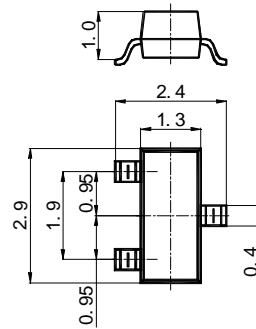
**Mechanical Dimensions**

**Description**

**BAS21**



**SOT-23**

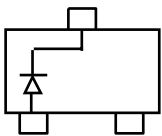


**Dimension in mm**

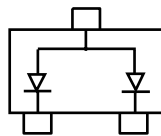
FEATURES: Power dissipation  $P_d=225mW(T_a=25^\circ C)$  Forward Current  
 Forward Current  $I_F=200\text{ m A}$   
 Reverse Voltage  $(V_r) = 250V$

Operating and storage junction temperature range

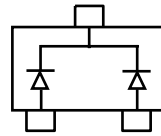
$T_J, T_{stg}: -55^\circ C \text{ to } +150^\circ C$



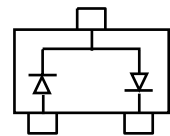
**BAS21**  
Marking: JS



**BAS21A**  
Marking: JS2



**BAS21C**  
Marking: JS3



**BAS21S**  
Marking: JS4

**ELECTRICAL CHARACTERISTICS ( $T_{amb}=25^\circ C$  unless otherwise specified)**

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu A$	250		V
Reverse voltage leakage current	$I_R$	$V_R=200V$		1	$\mu A$
Forward voltage	$V_F$	$I_F=100mA$ $I_F=200mA$		1000 1250	mV
Diode capacitance	$C_D$	$V_R=0V, f=1MHz$		5	pF
Reverse recovery time	$t_{rr}$			50	nS

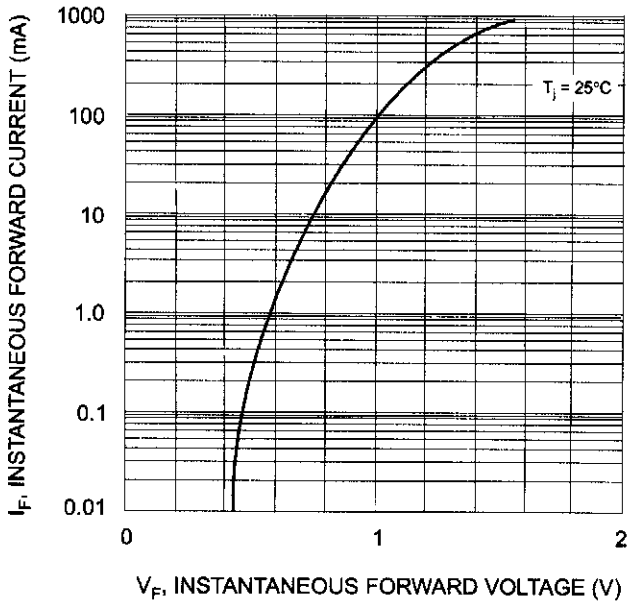


Fig. 1 Forward Characteristics

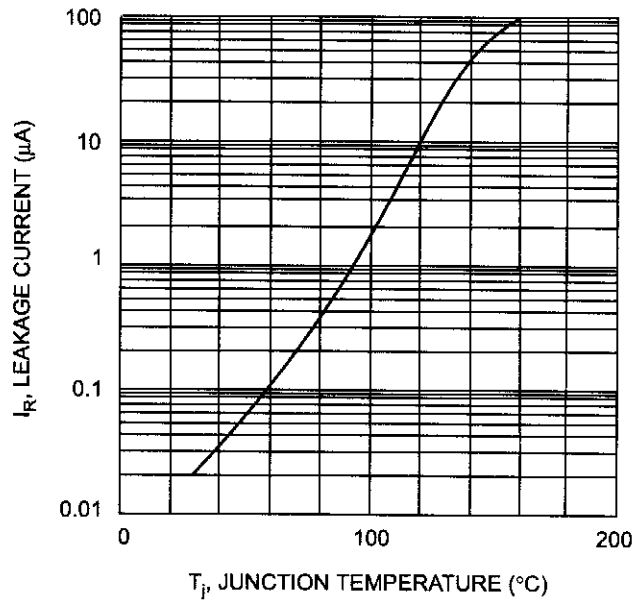


Fig. 2 Leakage Current vs Junction Temperature