

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

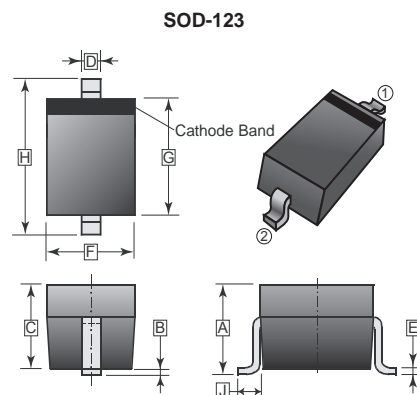
- Low Reverse Current.
- Surface Mount Package Ideally Suited for Automatic Insertion.
- Fast Switching Speed.
- For General Purpose Switching Applications.

MARKING

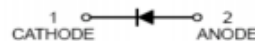
- BAV19P: A8
- BAV20P: T2
- BAV21P: T3

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOD-123	3K	7 inch



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.94	1.35	F	1.40	1.80
B	0.10 REF.		G	2.54	2.85
C	1.00	1.30	H	3.55	3.86
D	0.30	0.78	J	0.50 REF.	
E	0.08	0.25			



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

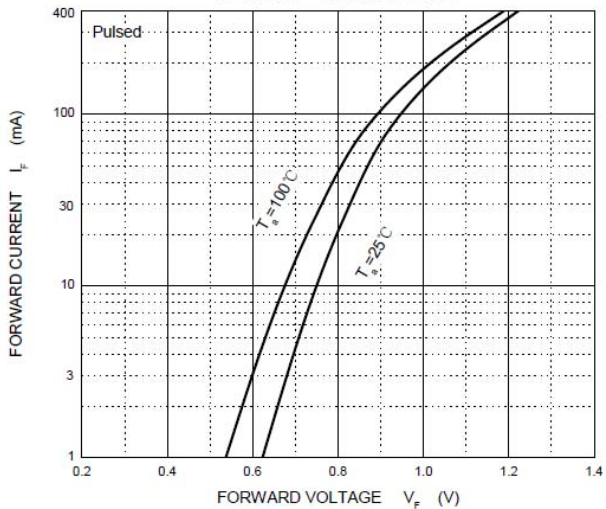
Parameter	Symbol	Ratings			Unit
		BAV19P	BAV20P	BAV21P	
Non-Repetitive Peak Reverse Voltage	V _{RM}	120	200	250	V
Peak Repetitive Peak Reverse Voltage	V _{RRM}	100	150	200	V
Working Peak Reverse Voltage	V _{RWM}				
RMS Reverse Voltage	V _{R(RMS)}	71	106	141	V
Average Rectified Output Current	I _O	200			mA
Non-Repetitive Peak Forward Surge Current	I _{FSM}	1.7			A
	t=8.3ms				
Power Dissipation	P _D	500			mW
Thermal Resistance Junction to Ambient Air	R _{θJA}	250			°C / W
Junction, Storage Temperature	T _J , T _{STG}	150, -55~150			°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise specified)

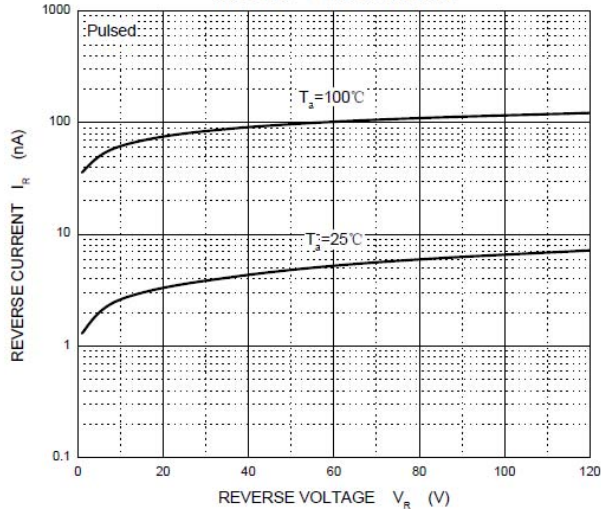
Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Forward Voltage	V _F	-	-	1	V	I _F =100mA
		-	-	1.25		I _F =200mA
Reverse Leakage Current	BAV19P	I _R	-	0.1	uA	V _R =100V
	BAV20P					V _R =150V
	BAV21P					V _R =200V
Total capacitance	C _{tot}	-	-	5	pF	V _R =0, f=1MHz
Reverse Recovery Time	T _{RR}	-	-	50	nS	I _F =I _R =30mA, I _{RR} =0.1xI _R , R _L =100Ω

RATINGS AND CHARACTERISTIC CURVES

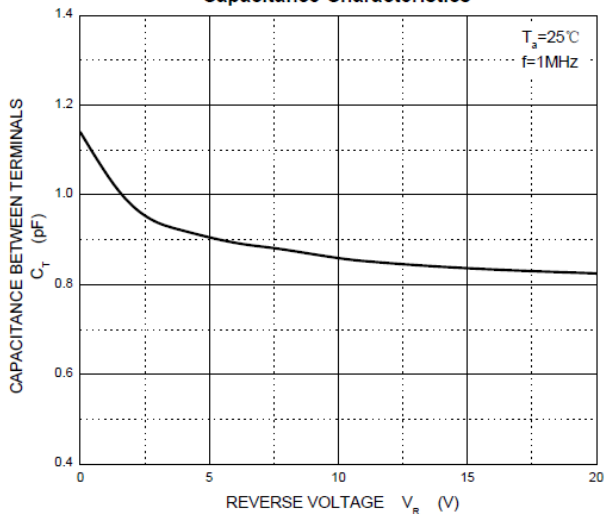
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

