



型号: BAV19WS/BAV20WS/BAV21WS

高速开关二极管 FAST SWITCHING DIODES

主要特性/Features

速度快 Speed FAST

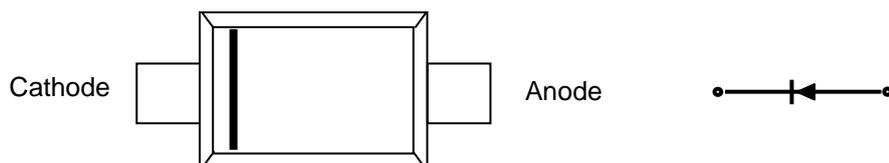
尺寸小, 适合各种有尺寸要求场合 Small size, suitable for various occasions with size requirements

应用/Application

高速开关电路 High speed switch circuit

印字/MARKING 等效电路/Equivalent Circuit

型号	BAV19WS	BAV20WS	BAV21WS
印章	A8	T2	T3





极限参数/Absolute maximum ratings(Ta=25°C)

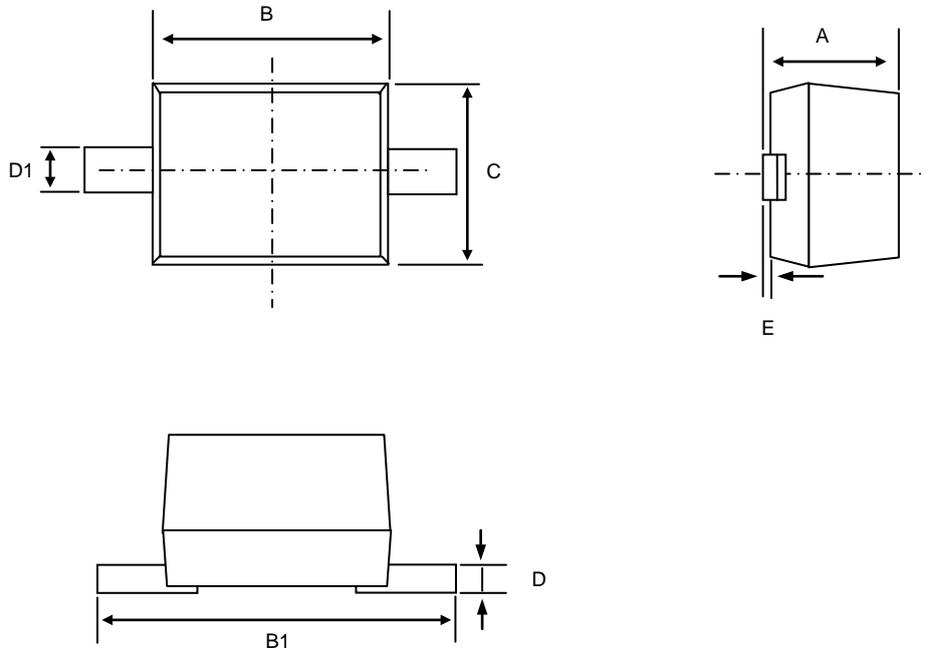
参数	符号	BAV19WS	BAV20WS	BAV21WS	单位
Non-Repetitive Peak Reverse Voltage	V_{RM}	120	200	250	V
Peak Repetitive Peak Reverse Voltage	V_{RRM}	100	150	250	V
Working Peak Reverse Voltage	V_{RWM}	100	150	250	V
DC Blocking Voltage	V_R	100	150	250	V
RMS Reverse Voltage	$V_{R(RMS)}$	71	106	141	V
Forward Continuous Current	I_{FM}	400			mA
Average Rectified Output Current	I_O	200			mA
Peak Forward Surge Current	I_{FSM}	2.5(@=1.0mS)			A
		0.5(@=1.0S)			
Repetitive Peak Forward Current	I_{FRM}	625			mA
Power Dissipation	P_D	0.25			W
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	500			°C/W
Storage Temperature	T_{stg}	-55 ~ 150			°C

电性能参数/Electrical characteristics (Ta=25°C)

Parameter	Symbol	Test condition	Max	Unit
正向电压/Forward Voltage	V_{F1}	$I_F=100mA$	1.0	V
	V_{F2}	$I_F=200mA$	1.25	V
反向漏电流/Reverse Current BAV19WS BAV20WS BAV21WS	I_R	$V_R=100V$	0.1	μA
		$V_R=150V$	0.1	μA
		$V_R=200V$	0.1	μA
端电容/Capacitance Between Terminals	C_T	$V_R=0, f=1MHz$	5	pF
反向恢复时间/Reverse Recovery Time	t_{rr}	$I_F=I_R=30mA,$ $I_{rr}=0.1 \times I_R, R_L=100\Omega$	50	nS



成品外观尺寸/SOD-323 Package Information



Symbol	Dim in mm		
	Min	Nor	Max
A	0.600	0.700	0.800
B	1.650	1.700	1.750
B1	2.250	2.600	2.750
C	1.250	1.300	1.350
D	0.100	0.110	0.120
D1	0.280	0.300	0.320
E	0.000	-	0.020