



SOT-23		
Dim	Min	Max
A	2.85	2.95
B	1.25	1.35
C	1.0Typical	
D	0.37	0.43
E	0.35	0.48
G	1.85	1.95
H	0.02	0.1
J	0.1Typical	
K	2.35	2.45
All Dimensions in mm		

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	V_{RM}	100	V
Peak repetitive reverse voltage	V_{RRM}	75	V
Working peak reverse voltage	V_{RWM}		
DC Reverse Voltage	V_R		
RMS Reverse Voltage	$V_{R(RMS)}$	53	V
Forward continuous Current(Max.)	I_{FM}	300	mA
Average rectified output current	I_O	150	mA
Repetitive Peak Forward current	I_{FRM}	450	mA
Non-repetitive forward Surge Current	I_{FSM}	2.0	A
@t=1.0μs		1.0	
@t=1.0s			
Power Dissipation	P_d	350	mW
Thermal resistance,junction to ambient air	$R_{θJA}$	357	°C/W
Junction temperature	T_j	150	°C
Storage temperature range	T_{stg}	-65+150	°C

PACKAGE INFORMATION

Device	Package	Shipping
BAV70	SOT-23	3000/Tape&Reel