

Micro Commercial Components



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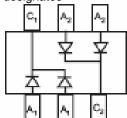
BAV70DW

Features

- · Fast switching speed
- Ultra-Small surface mount package
- For general purpose switching applications
- High conductance

Mechanical Data

- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)
- Marking Code: KJA
- MSL Rating 1
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1



Maximum Ratings

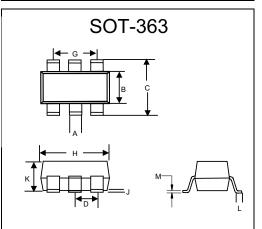
Symbol	Rating	Rating	Unit
V_{RM}	Non-Repetitive Peak Reverse Voltage	100	V
V_{RRM}	Peak Repetitive Reverse Voltage		
V_{RWM}	Working Peak Reverse Voltage	75	V
V_R	DC Blocking Voltage		
$V_{R(RMS)}$	RMS Reverse Voltage	53	V
I _{FM}	Forward Continuous Current	300	mA
lo	Average Rectified Output Current	150	mA
	Non-Repetitive Peak Forward Surge Current		
I _{FSM}	@ t=1.0us	2.0	Α
	@ t=1.0s	1.0	
P _D	Power Dissipation	200	mW
R_{JA}	Thermal Resistance Junction to Ambient Air	625	°C/W
T_J	Junction Temperature	-55 to +150	$^{\circ}\mathbb{C}$
T _{STG}	Storage Temperature	-55 to +150	$^{\circ}\mathbb{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Units
$V_{(BR)R}$	Reverse Breakdown Voltage (I _R =2.5 µ Adc)	75			٧
V _F	Forward Voltage ⁽¹⁾ I _F =1.0mAdc I _F =10mAdc I _F =50mAdc I _F =150mAdc	 	 	0.715 0.855 1.0 1.25	V
I _R	Leakage Current $^{(1)}$ (V _R =75Vdc) (V _R =75Vdc, Tj=150 $^{\circ}$ C) (V _R =25Vdc, Tj=150 $^{\circ}$ C) (V _R =20Vdc)	 	 	2.5 50 30 25	uA uA uA nA
C _j	Junction Capacitance (V _R =0, f=1.0MHz)			2.0	pF
t _{rr}	Reverse Recovery Time (I _F =10mA, I _R =10mA, Irr=0.1 x I _R R _L =1000HMS)			4.0	ns

^{*(1)} Short duration test pulse to minimize self-heating effect.

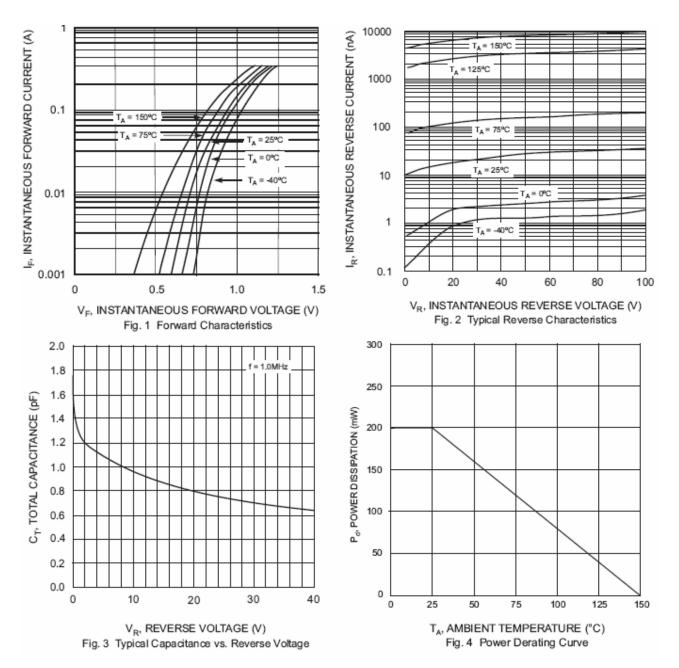
200mW Switching Diodes 75 Volts



DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.006	.014	0.15	0.35	
В	.045	.053	1.15	1.35	
С	.085	.096	2.15	2.45	
D	.02	6	0.65N	ominal	
G	.047	.055	1.20	1.40	
Н	.071	.087	1.80	2.20	
J		.004		0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
М	.003	.006	0.08	0.15	

BAV70DW







Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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