

Micro Commercial Components

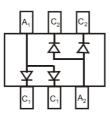
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

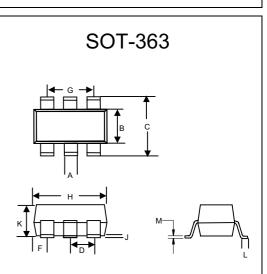
Features

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

Mechanical Data

- Case Material:Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1
- Marking Code: KJC





BAW56DW

200mW

Switching Diodes

75 Volts

DIMENSIONS

	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
А	.004	.012	0.10	0.30	
В	.045	.053	1.15	1.35	
С	.079	.087	2.00	2.20	
D	.02	6	0.65N	ominal	
F	.012	.016	0.30	0.40	
Н	.071	.087	1.80	2.20	
J		.004		0.10	
К	.035	.039	0.90	1.00	
L	.010	.016	0.25	0.40	
М	.004	.016	0.10	0.25	

Maximum Ratings

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

Electrical Characteristics @ 25°C Unless Otherwise Specified

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

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

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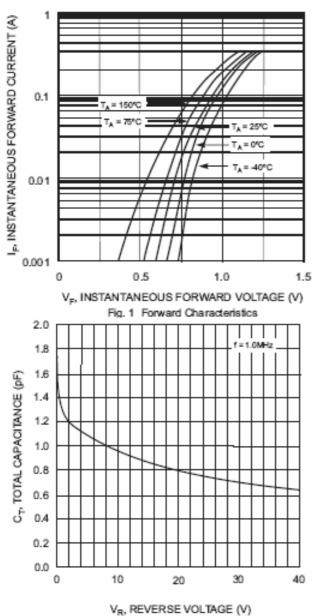
Revision: 4

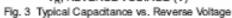
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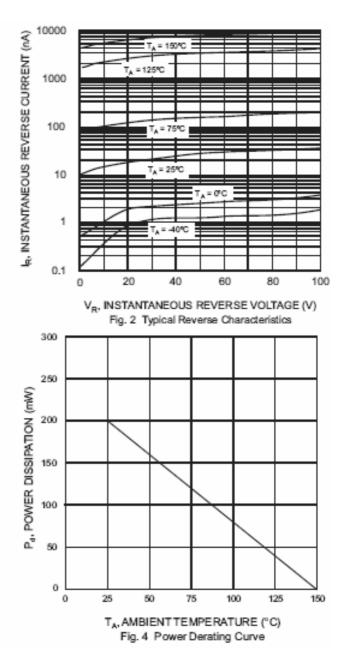
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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel3Kpcs/Reel

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