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BAV70

Features

- Low Current Leakage
- Low Cost
- Small Outline Surface Mount Package
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)
- Marking:A4/JA
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1



Maximum Ratings

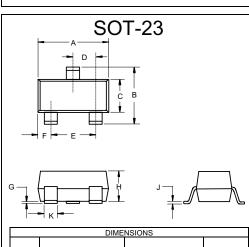
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 357K/W Junction To Ambient

Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Voltage	V_R	75V	
Average Rectified	Io	150mA	
Output Current			
Power Dissipation	P _{TOT}	350mW	
Peak Forward Surge	I _{FSM}	1.0A	t=1s,Non-Repetitive
Current			
Maximum			
Instantaneous	V_{F}	855mV	$I_{FM} = 10mA;$
Forward Voltage			T _J = 25°C*
Maximum DC			V _R =75Volts
Reverse Current At	I _R	2.5μΑ	T _J = 25°C
Rated DC Blocking		50μΑ	T _J = 150°C
Voltage			
Typical Junction	CJ	2 pF	Measured at
Capacitance			1.0MHz, V_R =0V
Reverse Recovery	T _{rr}	4nS	I _F =10mA
Time			$V_R = 0V$
			R_L =500 Ω

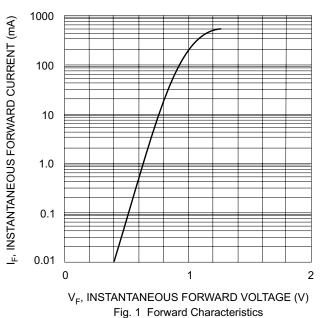
^{*}Pulse test: Pulse width 300 μsec , Duty cycle 2%

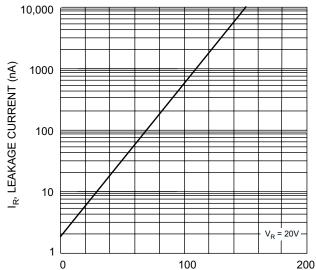
350mW 75 Volt Dual Switching Diode



DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.110	.120	2.80	3.04		
В	.083	.098	2.10	2.64		
С	.047	.055	1.20	1.40		
D	.035	.041	.89	1.03		
Е	.070	.081	1.78	2.05		
F	.018	.024	.45	.60		
G	.0005	.0039	.013	.100		
Н	.035	.044	.89	1.12		
J	.003	.007	.085	.180		
K	.015	.020	.37	.51		







 T_{j} , JUNCTION TEMPERATURE (°C) Fig. 2 Leakage Current vs Junction Temperature



Ordering Information:

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

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