



SMALL SIGNAL DIODE

VOLTAGE RANGE 200 Volts CURRENT 200 mAmpere

FEATURES

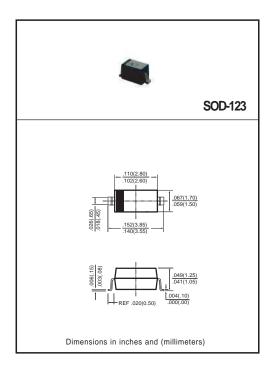
- * Fast Switching Speed
- * Surface Mount Package Ideally Suited for Automatic Insertion
- * General Purpose Switching Applications

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any * Weight: 0.01 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.



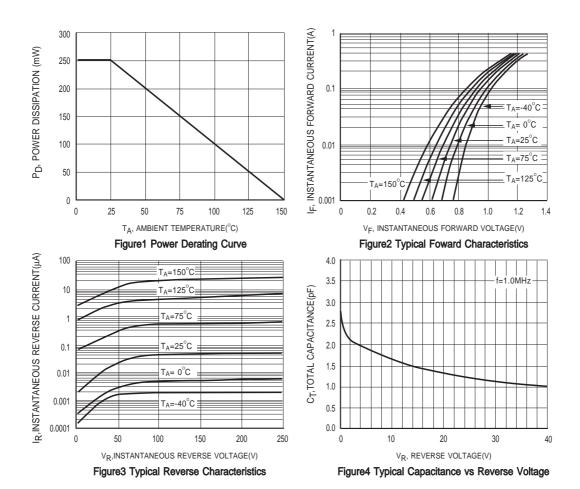
RATINGS	SYMBOL	BAV21W	UNITS
Non-Repetitive Peak Reverse Voltage	V _{RM}	250	Volts
Maximum Repetitive Peak Reverse Voltage Maximum Working Peak reverse Voltage Maximum DC Blocking Voltage	VRRM VRWM VR	200	Volts
Maximum RMS Voltage	V _{RMS}	141	Volts
Maximum Forward Comtinuous Current	I _{FM}	400	mAmps
Maximum Average Forward Rectified Current	lo	200	mAmps
Non-Repetitive Peak Forward Surge Current @t=1.0mS @t=1.0S	I _{FSM}	2.5 0.5	Amps
Typical Reverse Recovery Time(I _F =I _R =30mA,I _{II} =0.1X _{IR} ,R _L =100Ω)	Trr	50	nS
Typical Junction Capacitance(V _R =0V,f=1MHz)	CT	5	pF
Maximum Power Dissipation	PD	250	mW
Typical Thermal Resistance	R _{OJA}	500	°C/W
Operating and Storage Temperature Range	T _J ,T _{STG}	-65 to + 150	°C

ELECTRICAL CHARACTERISTICS (@TA=25 °C unless otherwise noted)

CHARACTERISTICS		SYMBOL	BAV21W	UNITS
	@I _F =0.1A	V-	1.0	1/-1-
Maximum Instantaneous Forward Voltage	@I _F =0.2A	YF.	1.25	Volts
Maximum Instantaneous Reverse Current	@V _R =200V	I _R	0.1	uAmps

2006-3

RATING AND CHARACTERISTICS CURVES (BAV21W)



DISCLAIMER NOTICE

Rectron Inc reserves the right to make changes without notice to any product specification herein, to make corrections, modifications, enhancements or other changes. Rectron Inc or anyone on its behalf assumes no responsibility or liability for any errors or inaccuracies. Data sheet specifications and its information contained are intended to provide a product description only. "Typical" parameters which may be included on RECTRON data sheets and/ or specifications can and do vary in different applications and actual performance may vary over time. Rectron Inc does not assume any liability arising out of the application or use of any product or circuit.

Rectron products are not designed, intended or authorized for use in medical, life-saving implant or other applications intended for life-sustaining or other related applications where a failure or malfunction of component or circuitry may directly or indirectly cause injury or threaten a life without expressed written approval of Rectron Inc. Customers using or selling Rectron components for use in such applications do so at their own risk and shall agree to fully indemnify Rectron Inc and its subsidiaries harmless against all claims, damages and expenditures.

