

Super Barrier Rectifier TM

Using state-of-the-art SBR IC process technology, the following features are made possible in a single device:

Major ratings and characteristics

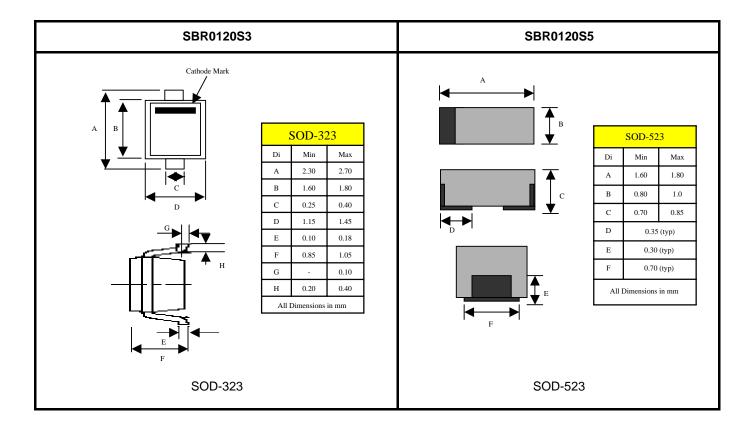
Characteristics	Values	Units
I _{F(AV)} Rectangular Waveform	0.10	A
V _{RRM}	20	V
V _F @0.1A, T _J =75°C	0.35	V, typ
T _J (operating/storage)	-65 to 125	°C

ELECTRICAL:

- * Low Forward Voltage Drop
- * Low Reverse Leakage
- * Reliable High Temperature Operation
- * Super Barrier Design
- * Softest, fast switching capability
- * 125°C Operating Junction Temperature

MECHANICAL:

* Molded Plastic SOD-323, SOD-523 packages



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cteristics					
(at 25°C unless otherwise specified)					
SYMBOL			UNITS		
V _{RM} V _{RWM} V _{RRM}	20		Volts		
Ι _ο	0.10		Amps		
I _{FSM}	2		Amps		
V _F	Тур 	Max 0.41 0.38	Volts		
I _R *	Тур 	Max 20 500	uA uA		
TJ	-65 to +125		°C		
	SYMBOL V_{RM} V_{RWM} V_{RRM} I_0 I_{FSM} V_F I_R^*	SYMBOL V_{RM} V_{RVM} V_{RRM} 20 I_0 0.10 I_FSM 2 V_F Typ V_F Typ I_R^* Typ 	$\begin{tabular}{ c c c c c c } \hline SYMBOL & & & & & & & & & & & & & & & & & & &$		

NOTE: Dice are available for customer applications.

 * Pulse width < 300 uS, Duty cycle < 2%



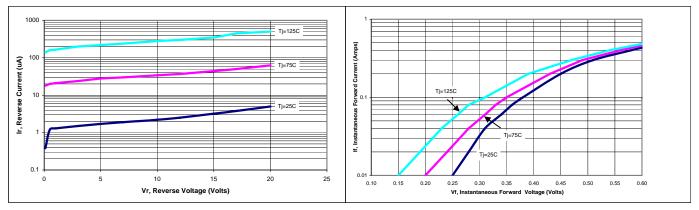
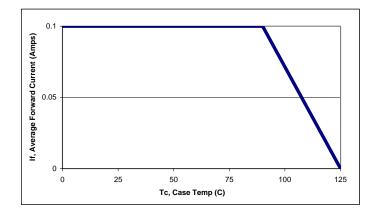
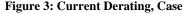


Figure 1: Typical Reverse Current

Figure 2: Typical Forward Voltage





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APD Semiconductor, Inc.

1 Lagoon Drive, Suite 410, Redwood City, CA 94065, USA Ph: 650 508 8896 FAX: 650 508 8865 Homepage: www.apdsemi.com email: info@apdsemi.com

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