

**SENSITRON**  
**SEMICONDUCTOR**

SS6620 thru SS6625  
SS6620US thru SS6625US

**TECHNICAL DATA**  
**DATA SHEET 5090, REV. -**

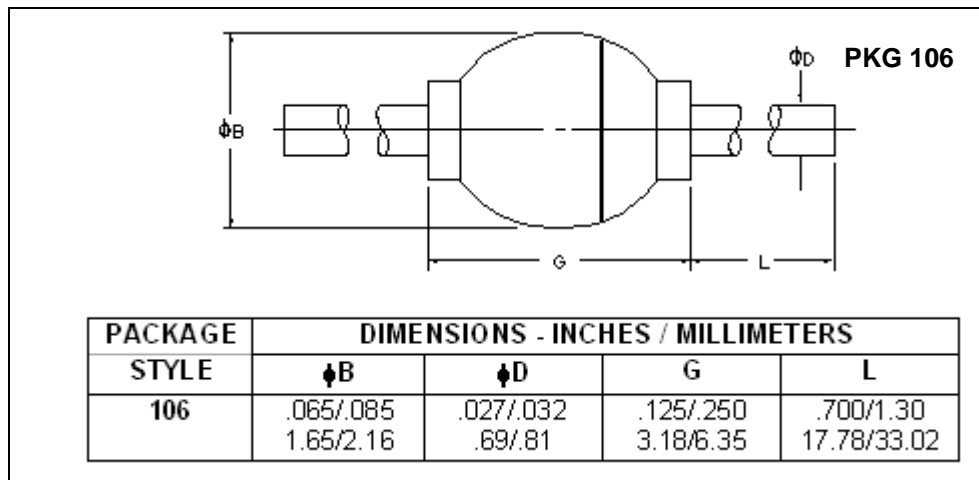
**Ultrafast Recovery Rectifier**

- Hermetic, non-cavity glass package
- Metallurgically bonded
- Operating and Storage Temperature: -65°C to +175°C
- Peak Forward Surge Current @ 25°C:  
**SS6620/US thru SS6624/US: 20A**  
**SS6625/US: 15A**
- Thermal Resistance d=.375" (Axial, pkg 106): 38°C/W
- Thermal Resistance (MELF-A): 20°C/W
- Capacitance at V<sub>R</sub>=10V:10pF

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM REVERSE CURRENT @ PIV		MAX. PEAK FORWARD VOLTAGE (PULSED)		PEAK RECOVERY CURRENT	MAXIMUM REVERSE RECOVERY TIME I <sub>F</sub> = 0.5A I <sub>RM</sub> =1.0A I <sub>R(REC)</sub> =0.25A	AVERAGE RECTIFIER FORWARD CURRENT @ 25 °C:
		μAmps		V	A			
	Volts	25°C	150°C	V	A	Amps	nsec	A
SS6620/US	200	0.5	± 150	1.60	2.0	3.5	30	1.2
SS6621/US	400	0.5	150	1.60	2.0	3.5	30	1.2
SS6622/US	600	0.5	150	1.60	2.0	3.5	30	1.2
SS6623/US	800	0.5	150	1.80	1.5	4.2	50	1.0
SS6624/US	900	0.5	150	1.80	1.5	4.2	50	1.0
SS6625/US	1000	1.0	200	1.95	1.5	5.0	60	1.0

**MECHANICAL DIMENSIONS In Inches / (mm)**

SS6620 thru SS6625

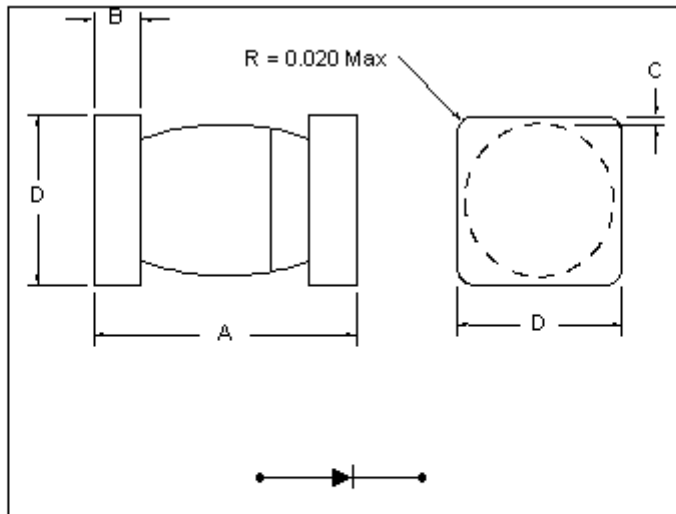


**SENSITRON**  
**SEMICONDUCTOR**

SS6620 thru SS6625  
SS6620US thru SS6625US

**TECHNICAL DATA**  
**DATA SHEET 5090, REV. -**

SS6620US thru SS6625US



PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	A	B	C	D
MELF-A	.168/.200	0.019/.028	.003 Min	.091/.103
	4.27/5.08	.48/.71	.08 Min	2.31/2.62

**DISCLAIMER:**

- 1- The information given herein, including the specifications and dimensions, is subject to change without prior notice to improve product characteristics. Before ordering, purchasers are advised to contact the Sensitron Semiconductor sales department for the latest version of the datasheet(s).
- 2- In cases where extremely high reliability is required (such as use in nuclear power control, aerospace and aviation, traffic equipment, medical equipment, and safety equipment), safety should be ensured by using semiconductor devices that feature assured safety or by means of users' fail-safe precautions or other arrangement.
- 3- In no event shall Sensitron Semiconductor be liable for any damages that may result from an accident or any other cause during operation of the user's units according to the datasheet(s). Sensitron Semiconductor assumes no responsibility for any intellectual property claims or any other problems that may result from applications of information, products or circuits described in the datasheets.
- 4- In no event shall Sensitron Semiconductor be liable for any failure in a semiconductor device or any secondary damage resulting from use at a value exceeding the absolute maximum rating.
- 5- No license is granted by the datasheet(s) under any patents or other rights of any third party or Sensitron Semiconductor.
- 6- The datasheet(s) may not be reproduced or duplicated, in any form, in whole or part, without the expressed written permission of Sensitron Semiconductor.
- 7- The products (technologies) described in the datasheet(s) are not to be provided to any party whose purpose in their application will hinder maintenance of international peace and safety nor are they to be applied to that purpose by their direct purchasers or any third party. When exporting these products (technologies), the necessary procedures are to be taken in accordance with related laws and regulations.