

T-03-13

SENSITRON **SEMICONDUCTOR**

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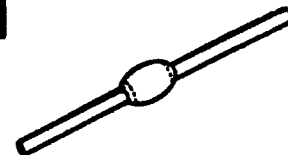
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TECHNICAL SPECIFICATIONS

HIGH CURRENT AXIAL LEAD FAST RECOVERY RECTIFIERS

FAST RECOVERY RECTIFIERS
 HIGH SURGE CURRENT CAPACITY
 NON CAVITY GLASS HERMETIC PACKAGE

HIGH CURRENT
 AXIAL LEAD
 SILICON RECTIFIERS
 200 TO 1000 VOLTS
 DIFFUSED JUNCTION



MAXIMUM RATINGS

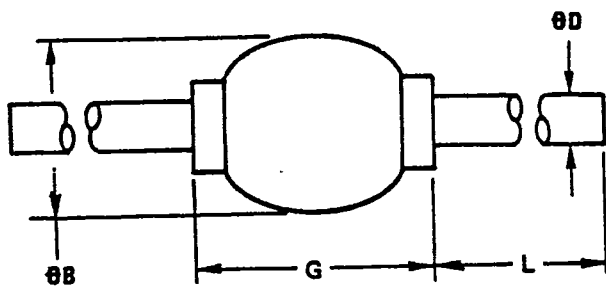
TYPE NUMBER	PEAK INVERSE VOLTAGE	MAX. AV. D.C. OUTPUT CURRENT		MAX. REVERSE CURRENT AT PIV		MAX. PEAK FWD. VOLTAGE (PULSED)		PEAK 1 CY SURGE CURRENT	MAX. REVERSE RECOVERY	THERM. IMPED θJ-L ②
		AMPS		μAMPS		25°C		25°C	TIME ①	d=.375"
	VOLTS	55°C	100°C	25°C	100°C	V	A	AMPS	nSEC	°C/W 2
1N5615	200	1.0	.75	0.5	25	1.6	3.0	25	150	38
1N5617	400	1.0	.75	0.5	25	1.6	3.0	25	150	38
1N5619	600	1.0	.75	0.5	25	1.6	3.0	25	250	38
1N5621	800	1.0	.75	0.5	25	1.6	3.0	25	300	38
1N5623	1000	1.0	.75	0.5	25	1.6	3.0	25	500	38

- ① Recovery conditions: $I_F = 0.5A$ $I_R = 1A$ T_{rr} measured when rectifier recovers to 0.25 amps
 ② d = distance on lead from rectifier body where temperature measured
 Max operating temperature $-65^{\circ}C$ to $+175^{\circ}C$.
 Max. storage temperature $-65^{\circ}C$ to $+200^{\circ}C$.
 All temperatures are at T_a

MECHANICAL CHARACTERISTICS

Case: Non-Cavity Hermetic Very Hard Glass
 Bond: Die metallurgically Bonded
 Maximum Soldering Temperature: $350^{\circ}C$ 1/8" From Case for 10 Seconds
 Polarity: Indicated By Cathode Band
 Finish: All External Surfaces Are Corrosion Resistant, Leads Are Readily Solderable

MECHANICAL DIMENSION



UNIT	ØB		ØD		G		L	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
IN	.065	.110	.026	.033	.130	.225	1.00	1.30
MM	1.651	27.94	.6604	.8382	3.302	5.715	25.40	33.02

CHARACTERISTIC CURVES

