



SENSITRON

SEMICONDUCTOR

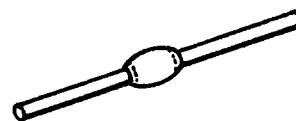
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TECHNICAL SPECIFICATIONS

HIGH EFFICIENCY AXIAL LEAD SUPER FAST RECOVERY RECTIFIERS

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

HIGH CURRENT
 AXIAL LEAD
 SILICON RECTIFIERS
 200 TO 600 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 TIME ¹	THERM. IMPED θ_{J-L} ² d-.375" °C/W
		AMPS		µAMPS		25°C		25°C		
	VOLTS	55°C	100°C	25°C	100°C	V	A	AMPS	nSEC	
S320S7	200	3.0	2.0	5.0	100	1.30	3.0	100	70	20
S340S7	400	3.0	2.0	5.0	100	1.30	3.0	100	70	20
S360S7	600	3.0	2.0	5.0	100	1.30	3.0	100	70	20

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°C to +175°C.

Max. storage temperature -65°C to +200°C.

All temperatures are at T_a

MECHANICAL CHARACTERISTICS

Case: Non-Cavity Hermetic Very Hard Glass

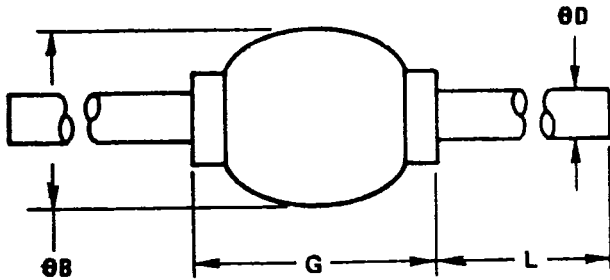
Bond: Die metallurgically Bonded

Maximum Soldering Temperature: 350°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 DIMENSIONS



UNIT	ØB		ØD		G		L	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
IN	.115	.180	.037	.042	.130	.300	.90	
MM	2.921	4.572	.9398	1.067	3.30	7.62	22.86	

CHARACTERISTIC CURVES

