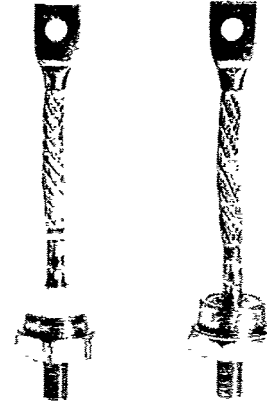


$I_{F(AV)}$ T <sub>c</sub> =100°C 50% Duty Cycle, Half Sine 60 Hz (Amps)	I <sub>FSM</sub> (Amps)		I <sup>2</sup> t for Fusing @8.3 ms (A <sup>2</sup> sec × 10 <sup>4</sup> )	I <sub>RRM</sub> @ V <sub>RRM</sub> and T <sub>J(Max)</sub> (mA)	V <sub>RRM</sub> Range (Volts)	V <sub>FM</sub> @ T <sub>J</sub> =25°C I <sub>FM</sub> (Amps)	V <sub>FM</sub> (Volts)	Chip Size (mm)	Junction Temp. Range (°C)	R <sub>θJC</sub> (°C/W)	Recs Lubricated (°C/W)
70 T <sub>c</sub> =140°C	1090	1200	.6	5	50-1000	220	1.27	—	-65 to 190	.6	—
70 T <sub>c</sub> =125°C	1090	1200	.6	5	50-1000	220	1.7	—	-65 to 200	.65	—
70 T <sub>c</sub> =125°C	1090	1200	.6	5	50-1000	220	1.7	—	-65 to 200	.65	—
100 T <sub>c</sub> =110°C	2730	3000	3.8	30	500-2000	310	1.45	—	-40 to 150	.40	.15
100 T <sub>c</sub> =130°C	1450	1600	1.0	3.5-9.5 T <sub>c</sub> =130°C	100-1200	314	.6 Avg. T <sub>c</sub> =130°C	18	-40 to 200	.40	.15
100 T <sub>c</sub> =130°C	2300	2500	1.55		100-1500	314	1.3 T <sub>c</sub> =130°C	18	-40 to 200	.40	.15
100 T <sub>c</sub> =130°C	2100	2300	2.2	7-24 T <sub>c</sub> =130°C	100-1400	314	1.5	16	-40 to 200	.40	.15
100 T <sub>c</sub> =130°C	2100	2300	2.2	7-24 T <sub>c</sub> =130°C	100-1400	314	1.5	16	-40 to 200	.40	.15
100 T <sub>c</sub> =130°C	2100	2300	2.2	30	100-1000	470	1.55	16	-65 to 200	.40	.20
100 T <sub>c</sub> =130°C	2100	2300	2.2	30	100-1000	470	1.55	16	-65 to 200	.40	.20
100 T <sub>c</sub> =160°C	2100	2300	2.2	30	400-1600	470	1.55	16	-65 to 200	.28	.20
100 T <sub>c</sub> =160°C	2100	2300	2.2	30	400-1600	470	1.55	16	-65 to 200	.28	.20
130 T <sub>c</sub> =106°C	1820	2000	1.6	7.5	100-500	390	1.15	16	-20 to 125	.28	.20
130 T <sub>c</sub> =106°C	1820	2000	1.6	7.5	100-500	390	1.15	16	-20 to 125	.28	.20
150 T <sub>c</sub> =143°C	3100	3400	2.2	20	100-1500	471	1.3	18	-40 to 200	.30	.15
150 T <sub>c</sub> =110°C	2730	3000	3.72	3.5-9.5	100-1400	100	1.12	16	-65 to 200	.35	.15
150 T <sub>c</sub> =110°C	2730	3000	3.72	3.5-9.5	100-1400	100	1.12	16	-65 to 200	.30	.15
150 T <sub>c</sub> =110°C	2100	2300	3.75	30	100-1000	470	1.55	16	-65 to 200	.30	.20
150 T <sub>c</sub> =110°C	2100	2300	3.75	30	100-1000	470	1.55	16	-65 to 200	.30	.20
150 T <sub>c</sub> =145°C	2100	2300	2.2	30	400-1600	470	1.55	16	-65 to 200	.28	.20
150 T <sub>c</sub> =145°C	2100	2300	2.2	30	400-1600	470	1.55	16	-65 to 200	.28	.20

\* = Reverse Polarity Types Available  
 ° = Tentative Specifications  
 x = T<sub>c</sub> @ 150°C  
 R = Reverse Polarity

IFM (Amps)	Typical Reverse Recovery Time @ $T_J=25^\circ\text{C}$		PACKAGE INFORMATION			
	$diR/dt$ (A/ $\mu\text{sec}$ )	$t_{rr}$ ( $\mu\text{sec}$ )	Max Mounting Force or Torque	STYLE	Outline	TYPE NO.
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	$\frac{1}{4}$ -28 Stud	DO-5	R415__ 70 <sup>R</sup>
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	$\frac{1}{4}$ -28 Stud	DO-5	R404__ 70
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	$\frac{1}{4}$ -28 Stud	DO-5	R405__ 70 <sup>R</sup>
—	—	—	$\frac{150 \text{ lb-in}}{180 \text{ kg-cm}}$	M12 x 1.5	Metric	°SR100AM
—	—	—	$\frac{120 \text{ lb-in}}{144 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	1N3288-3296*
—	—	—	$\frac{100 \text{ lb-in}}{120 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	A170*
—	—	—	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	1N3288A-3297A
—	—	—	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	1N3288AR- 3297AR
314	25	7	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	R510__ 10
314	25	7	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	R511__ 10 <sup>R</sup>
314	25	7	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	R500__ 10
314	25	7	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	R501__ 10 <sup>R</sup>
—	—	—	$\frac{50 \text{ lb-in}}{60 \text{ kg-cm}}$	Flat Base	64 x 64 mm	°SR130L-R
—	—	—	$\frac{50 \text{ lb-in}}{60 \text{ kg-cm}}$	Flat Base	64 x 64 mm	°SR130L-S
—	—	—	$\frac{100 \text{ lb-in}}{120 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	A180*
—	—	—	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	1N4587-4596
—	—	—	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	1N4587R-4596R
314	25	7	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	R510__ 15
314	25	7	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	R511__ 15 <sup>R</sup>
314	25	7	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	R500__ 15
314	25	7	$\frac{120 \text{ lb-in}}{139 \text{ kg-cm}}$	$\frac{3}{8}$ -24 Stud	DO-8	R501__ 15 <sup>R</sup>

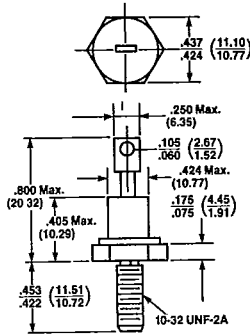


JEDEC DO-8

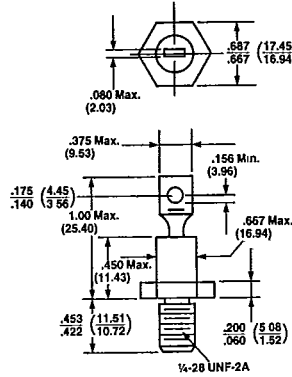


# Standard Rectifiers Outline Drawings

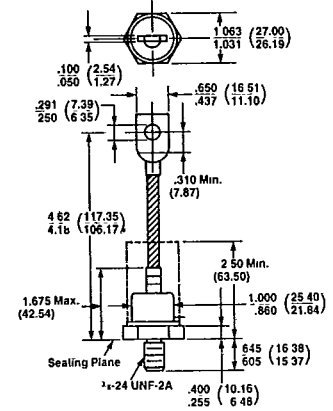
**JEDEC DO-4**



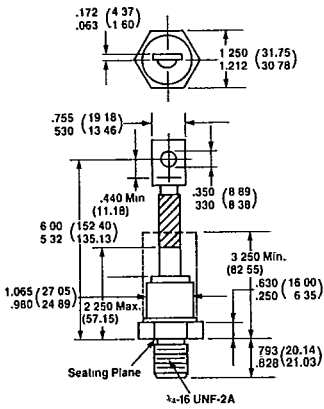
**JEDEC DO-5**



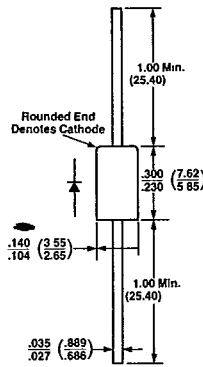
**JEDEC DO-8**



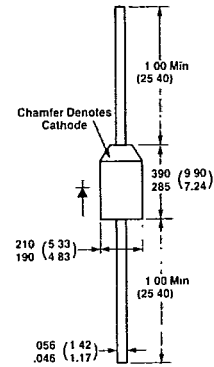
**JEDEC DO-9**



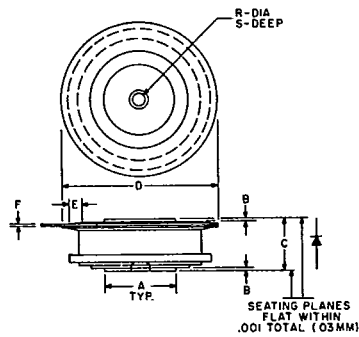
**JEDEC DO-15**



**JEDEC DO-27**

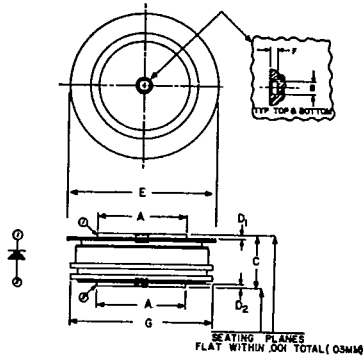


**JEDEC DO-200AA (Type 1) (A390)**



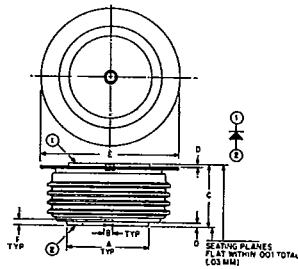
Dim	Inches		Millimeters	
	Min	Max	Min	Max
A	.744	.752	18.89	19.10
B	.030	.060	.76	1.52
C	.515	.565	13.08	14.35
D	1.600	1.656	40.64	41.9
E	.110	—	2.79	—
F	.031	.017	.33	.43
R	.135	.145	3.42	3.68
S	.067	.083	1.70	2.1

**JEDEC DO-200AA**  
(Type 2) (A330)



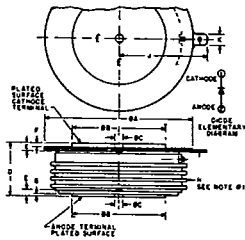
Dim	Inches		Millimeters	
	Min	Max	Min	Max
A	.985	.995	25.01	25.27
B	.135	.145	3.42	3.68
C	.560	.605	14.22	15.37
D <sub>1</sub>	.040	—	1.01	—
D <sub>2</sub>	.030	—	.76	—
E	1.600	1.650	40.64	41.91
F	.070	.085	1.77	2.16
G	—	1.585	—	40.26

**JEDEC DO-200AB**



Dim	Inches		Millimeters	
	Min	Max	Min	Max
A	1.333	1.343	33.86	34.11
B	.135	.145	3.42	3.68
C	1.018	1.065	25.85	27.05
D	.030	.110	.76	—
E	2.240	2.330	56.89	58.42
F	.070	.090	3.55	4.06

**JEDEC DO-200AC**

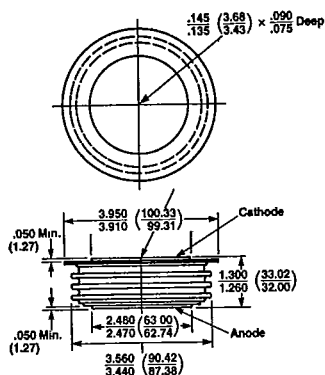


Dim	Inches		Millimeters	
	Min	Max	Min	Max
A	—	2.960	—	75.18
B	1.800	1.900	45.78	49.26
C	0.136	0.146	3.45	3.71
D	1.000	1.070	25.10	27.18
E	.070	.100	1.78	2.54
F	.030	—	0.76	—
G	.003	.067	0.13	1.70
H	—	—	—	—
J	1.630	1.710	42.67	43.43
K	.186	.189	4.72	4.80

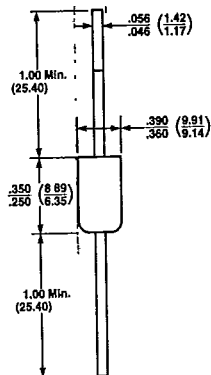
Note: Glazed ceramic insulator with 1.00-inch (25.40mm) surface creepage, minimum.

# Standard Rectifiers Outline Drawings

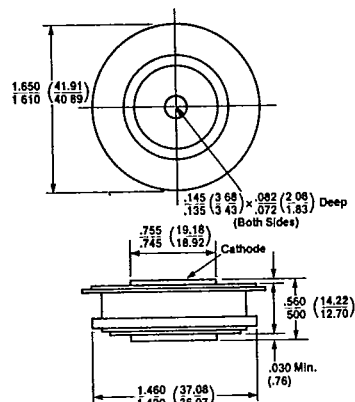
**RA2**



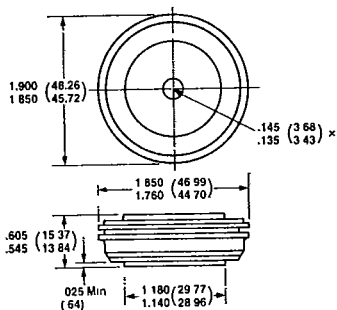
**R34**



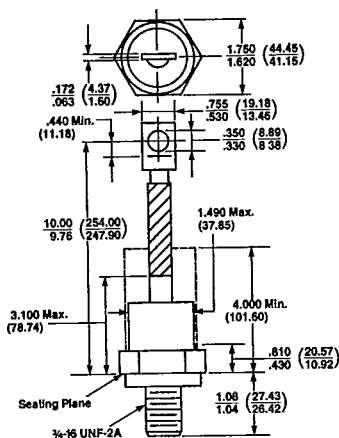
**R62**



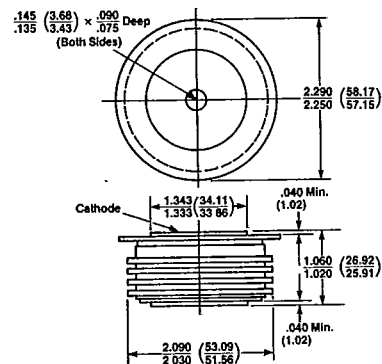
**R7S**



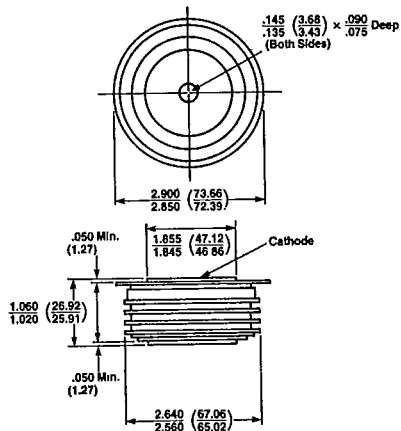
**R70**



**R72**



**R9G**



**Press Pak — Consult Factory**

- 8mm x 62mm
- 14mm x 86mm
- 14.5mm x 43 mm
- 14.5mm x 50mm
- 18mm x 85mm
- 21mm x 92mm
- 21mm x 102mm
- 35mm x 120mm

**Flat Base — Consult Factory**

- 18mm x 85mm
- 25mm x 64mm
- 64mm x 64mm

**Metric Stud — Consult Factory**

- M12 x 1.5
- M20 x 1.5
- M24 x 1.5