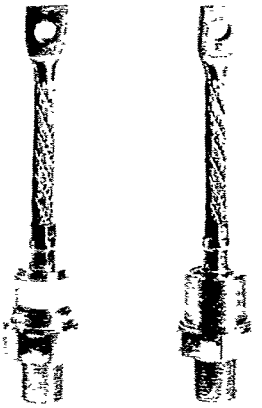
Standard Rectifiers

$I_{F(AV)}$ T_C=100° C 50% Duty Cycle, Half Sine 60 Hz (Amps)	I_{FSM} (Amps x 10^3) 50 Hz	60 Hz	I^2t for Fusing @8.3 ms (A^2sec x 10^4)	I_{RRM} @ V_{RRM} and $T_{J(Max)}$ (mA)	V_{RRM} Range (Volts)	V_{FM} @ T_J=25°C I_{FM} (Amps)	V_{FM} (Volts)	Chip Size (mm)	Junction Temp. Range (°C)	$R_{\theta JC}$ (°C/W)	$R_{\theta CS}$ Lubricated (°C/W)
160 T_C=125°C	1.8	2	1.67	12	50-1600	503	1.6	16	−65 to 190	.3	.15
160 T_C=125°C	1.8	2	1.67	12	50-1600	503	1.6	16	−65 to 190	.3	.15
170 T_C=112°C	2.9	3.2	4.2	10.5	100-500	550	1.15	16	−20 to 125	.2	.05
170 T_C=112°C	2.9	3.2	4.2	10.5	100-500	550	1.15	16	−20 to 125	.2	.05
175 T_C=112°C	4.6	5	10	30	1400-2000	750	1.75	23	−40 to 150	.2	.06
175 T_C=112°C	4.6	5	10	30	1400-2000	750	1.75	23	−40 to 150	.2	.06
200 T_C=140°C	5	5.5	12.5	50	100-1000	800	1.7	23	−65 to 190	.17	.10
200 T_C=140°C	5	5.5	12.5	50	100-1000	800	1.7	23	−65 to 190	.17	.10
200 T_C=140°C	5	5.5	12.5	50	100-1200	800	1.7	23	−65 to 190	.17	.10
200 T_C=140°C	5	5.5	12.5	50	100-1200	800	1.7	23	−65 to 190	.17	.10
200 T_C=120°C	5	5.5	12.5	50	1400-2000	800	1.7	23	−65 to 190	.17	.10
200 T_C=120°C	5	5.5	12.5	50	1400-2000	800	1.7	23	−65 to 175	.17	.10
200	5	5.5	12.5	50	2200-3000	800	1.7	23	−65 to 150	.17	.10
200	5	5.5	12.5	50	2200-3000	800	1.7	23	−65 to 150	.17	.10
220	6.4	7	20.4	50	2200-4400	1500	2.15	33	−65 to 150	.12	.04
220	6.4	7	20.4	50	2200-4400	1500	2.15	33	−65 to 150	.12	.04
240 T_C=113°C	4.6	5	100	30	600-1200	750	1.4	33	−40 to 175	.2	.06
240 T_C=113°C	4.6	5	100	30	600-1200	750	1.4	33	−40 to 175	.2	.06
240	4.6	5	100	30	1000-2000	750	1.75	33	−40 to 150	.12	—
250	5.9	6.5	5.5	30	100-1400	785	1.3	24	−40 to 200	.18	.10
250	5.9	6.5	5.5	30	100-1500	785	1.3	24	−40 to 200	.18	.10
250	5.9	6.5	5.5	30	100-1500	785	1.3	24	−40 to 200	.18	.10

* = Reverse Polarity Types Available
° = Tentative Specifications
R = Reverse Polarity

Typical Reverse Recovery Time @ $T_{J=25°C}$ I_{FM} (Amps)	di/dt (A/μsec)	t_{rr} (μsec)	PACKAGE INFORMATION Max Mounting Force or Torque	STYLE	Outline	TYPE NO.
—	—	—	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	1N3260-3276
—	—	—	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	1N3260R-3276R
—	—	—	50 lb-in / 60 kg-cm	Flat Base	64 × 64 mm	°SR170L-R
—	—	—	50 lb-in / 60 kg-cm	Flat Base	64 × 64 mm	°SR170L-S
—	—	—	300 lb-in / 360 kg-cm	M20 × 1.5	Metric	°SR200DM-R
—	—	—	300 lb-in / 360 kg-cm	M20 × 1.5	Metric	°SR200DM-S
785	25	9	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	R610__ __20
785	25	9	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	R611__ __20R
785	25	9	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	R600__ __20
785	25	9	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	R601__ __20R
785	25	11	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	R600__ __20
785	25	11	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	R601__ __20R
785	25	13	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	R600__ __20
785	25	13	360 lb-in / 420 kg-cm	¾-16 Stud	DO-9	R601__ __20R
1500	25	15	360 lb-in / 420 kg-cm	¾-16 Stud	R70	R700__ __03
1500	25	15	360 lb-in / 420 kg-cm	¾-16 Stud	R70	R701__ __03R
—	—	—	300 lb-in / 360 kg-cm	M20 × 1.5	Metric	°SR200DL-R
—	—	—	300 lb-in / 360 kg-cm	M20 × 1.5	Metric	°SR200DL-S
—	—	—	1760 lbs. / 7.8 KN	Press Pak	14.5 × 43 mm	°FD250DM
—	—	—	325 lb-in / 380 kg-cm	¾-16 Stud	DO-9	*1N3735-3744
—	—	—	325 lb-in / 380 kg-cm	¾-16 Stud	DO-9	A190
—	—	—	325 lb-in / 380 kg-cm	¾-16 Stud	DO-9	A190R

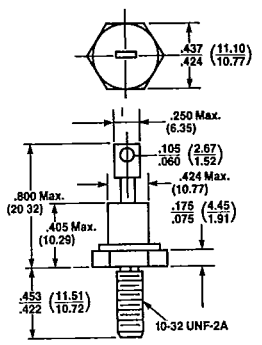


JEDEC DO-9

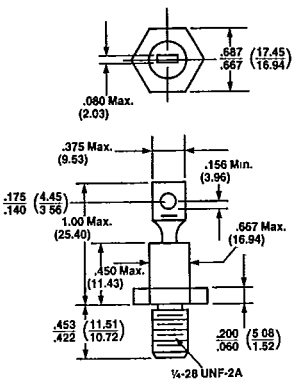
JEDEC DO-15/DO-27

Standard Rectifiers Outline Drawings

JEDEC DO-4



JEDEC DO-5



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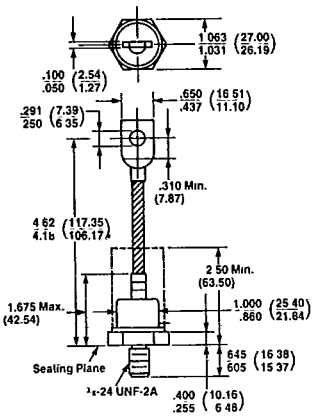

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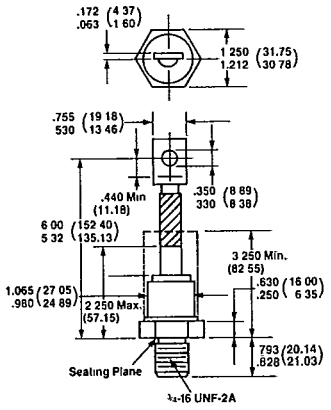

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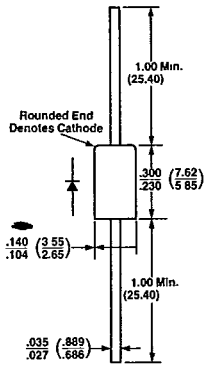

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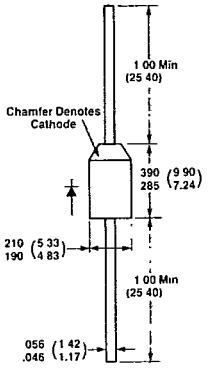
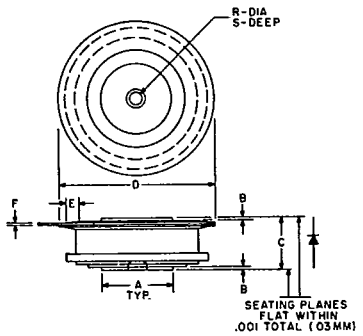
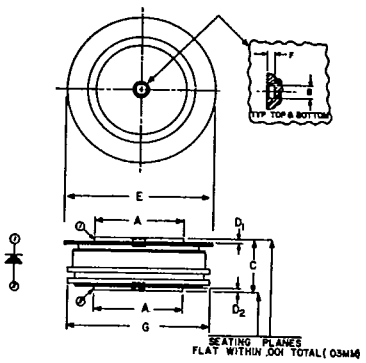


JEDEC DO-200AA (Type 1) (A390)



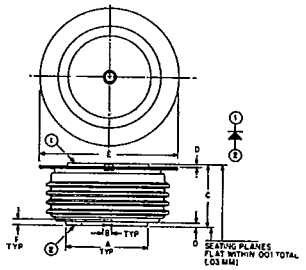
	Inches		Millimeters	
Dim	Min	Max	Min	Max
A	.744	.752	18.89	19.10
B	.030	.060	.76	1.52
C	.515	.565	13.08	14.35
D	1.600	1.656	40.64	41.9
E	.110	—	2.79	—
F	.031	.017	.33	.43
R	.135	.145	3.42	3.68
S	.067	.083	1.70	2.1

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



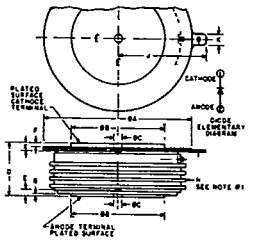
Dim	Inches Min	Inches Max	Millimeters Min	Millimeters Max
A	.985	.995	25.01	25.27
B	.135	.145	3.42	3.68
C	.560	.605	14.22	15.37
D_1	.040	—	1.01	—
D_2	.030	—	.76	—
E	1.600	1.650	40.64	41.91
F	.070	.085	1.77	2.16
G	—	1.585	—	40.26

JEDEC DO-200AB



Dim	Inches Min	Inches Max	Millimeters Min	Millimeters 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

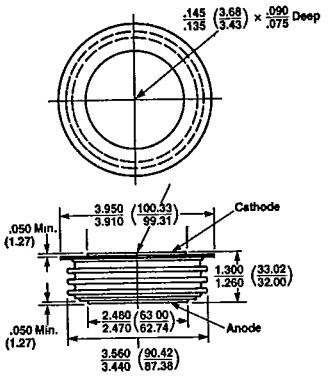


Dim	Inches Min	Inches Max	Millimeters Min	Millimeters Max
A	—	2.960	—	75.18
B	1.800	1.900	45.78	49.26
C	0.136	0.146	3.45	3.71
D	1.000	1.070	25.10	27.18
E	.070	.100	1.78	2.54
F	.030	—	0.76	—
G	.003	.067	0.13	1.70
H	—	—	—	—
J	1.630	1.710	42.67	43.43
K	.186	.189	4.72	4.80

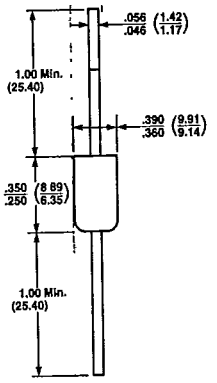
Note: *Glazed ceramic insulator with 1.00-inch (25.40mm) surface creepage, minimum.*

Standard Rectifiers Outline Drawings

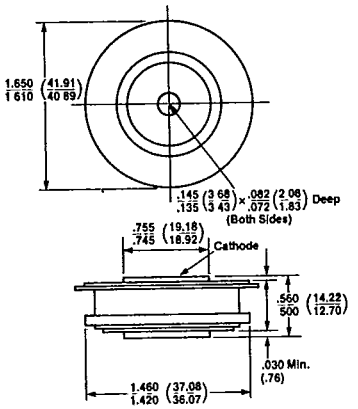
RA2



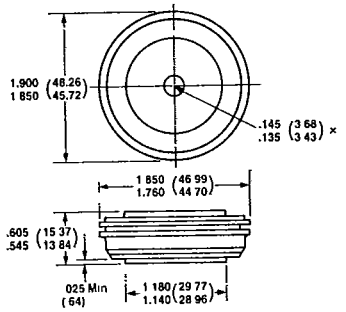
R34



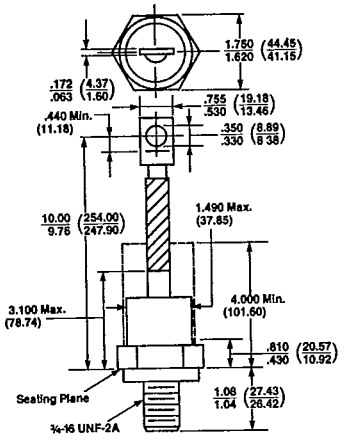
R62



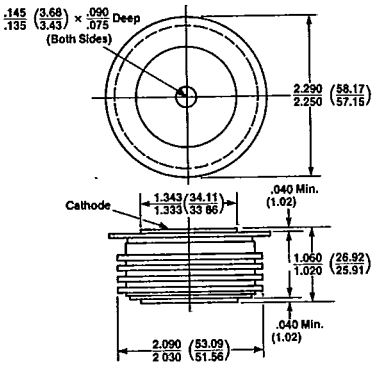
R7S



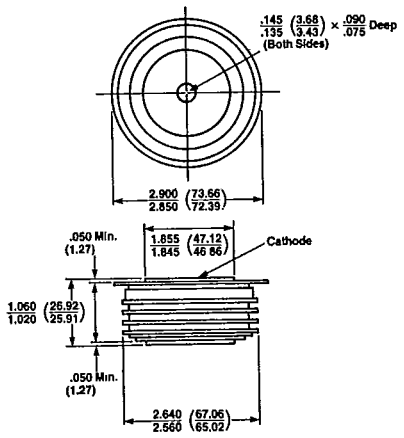
R70



R72



R9G



Press Pak—Consult Factory
8mm × 62mm
14mm × 86mm
14.5mm × 43 mm
14.5mm × 50mm
18mm × 85mm
21mm × 92mm
21mm × 102mm
35mm × 120mm

Flat Base—Consult Factory
18mm × 85mm
25mm × 64mm
64mm × 64mm

Metric Stud—Consult Factory
M12 × 1.5
M20 × 1.5
M24 × 1.5