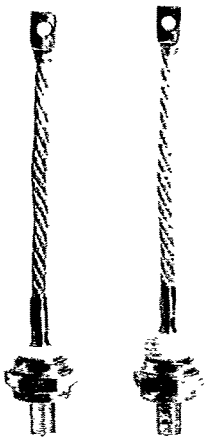
Standard Rectifiers

$I_{F(AV)}$ T_C=100° C 50% Duty Cycle, Half Sine 60 Hz (Amps)	I_{FSM} (Amps × 10^3) 50 Hz	60 Hz	I^2t for Fusing @8.3 ms ($A^2sec \times 10^4$)	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)
820	8.2	9	33.8	50	1400-2200	1500	1.6	33	−65 to 175	.035	.02
900 T_C=110°C	7.7	8.5	30.1	50	200-1200	1500	1.6	33	−65 to 200	.055	.02
930	7.7	8.5	30.1	50	100-1200	1500	1.8	33	−65 to 200	.035	.02
1000	9.1	10	41.5	50	100-1500	3140	1.42	30	−40 to 200	.06	.02
1000	9.1	10	60	50	2000-2600	1000	1.2	30	−40 to 175	.06	.02
1125	8.2	9	33.87	50	100-1200	1500	1.6	33	−65 to 200	.035	.02
1200	10.1	11.1	51.1	50	100-1500	4000	1.7	30	−40 to 200	.045	.02
1200 T_C=108°C	11.4	12.5	65.1	50	100-1200	1500	1.2	33	−65 to 200	.055	.02
1200	12.7	14	81.7	50	100-1200	1500	1.2	33	−65 to 200	.035	.02
1220	14.6	16	110	150	2200-4400	1500	1.45	53	−40 to 150	.020	.0075
1240	19.1	21	186	50	1600-3200	3000	1.42	40	−40 to 175	.040	—
1500	18.2	20	120	90	3400-4200	3000	1.8	50	−40 to 175	.023	.0075
1600 T_C=91°C	31.8	35	510	50	800-2500	5000	1.6	53	−40 to 150	.025	—
1600	14.6	16	110	150	1400-2000	1500	1.45	53	−40 to 175	.020	.0075
1600	18.2	20	170	200	100-500	5000	1.45	33	−40 to 200	.035	.02
1600 T_C=108°C	29.2	32	430	150	3500-4000	5000	1.7	53	−40 to 150	.017	—
1640	19.6	21.5	200	75	500-1500	4000	1.4	40	−40 to 200	.04	—
1800	14.6	16	110	150	100-1200	1500	1.45	53	−40 to 190	.02	.0075
1800	22.7	25	260	200	1600-3200	2000	1.2	50	−40 to 175	.023	.0075
2000	22	24	240	200	2200-3400	3000	1.45	67	−40 to 150	.013	.007
2000	19.6	21.5	193	150	1200-2000	1500	1.2	53	−40 to 175	.02	.0075

° = Tentative Specifications

Typical Reverse Recovery Time @ $T_{J=25°C}$ I_{FM} (Amps)	di_R/dt (A/μsec)	t_{rr} (μsec)	PACKAGE INFORMATION Max Mounting Force or Torque	STYLE	Outline	TYPE NO.
1500	25	10	2400 lb / 10.7 KN	Press Pak	R7S	R7S0__ __12
1500	25	7	2400 lb / 10.7 KN	Press Pak	R72	R720__ __09
1500	25	7	2400 lb / 10.7 KN	Press Pak	R7S	R7S0__ __08
—	—	—	2000 lb / 8.9 KN	Press Pak	DO-200AB	A430
—	—	—	2200 lb / 9.8 KN	Press Pak	DO-200AB	A431
1500	25	7	2400 lb / 10.7 KN	Press Pak	R7S	R7S0__ __12
—	—	—	2000 lb / 8.9 KN	Press Pak	DO-200AA	A330
1500	25	7	2400 lb / 10.7 KN	Press Pak	R72	R720__ __12
1500	25	7	2400 lb / 10.7 KN	Press Pak	R7S	R7S0__ __16
1500	25	25	6000 lb / 25 KN	Press Pak	R9G	R9G0__ __12
2000	25	15	3500 lb / 14.6 KN	Press Pak	DO-200AB	A443
—	—	—	6000 lb / 25 KN	Press Pak	DO-200AB	°A455
—	—	—	7300 lb / 32.4 KN	Press Pak	21 × 92 mm	°FD1600A
1500	25	15	6000 lb / 25 KN	Press Pak	R9G	R9G0__ __12
—	—	—	2400 lb / 10.7 KN	Press Pak	8 × 62 mm	°FD1600BP
—	—	—	1650 lb / 7.4 KN	Press Pak	8 × 62 mm	°FD1600CV
2000	25	15	3500 lb / 16 KN	Press Pak	DO-200AB	A440
1500	25	15	6000 lb / 25 KN	Press Pak	R9G	R9G0__ __12
—	—	—	6000 lb / 25 KN	Press Pak	DO-200AB	°A453
1500	25	25	11,000 lb / 49 KN	Press Pak	RA2	RA20__ __20
1500	25	20	6000 lb / 25 KN	Press Pak	R9G	R9G0__ __18

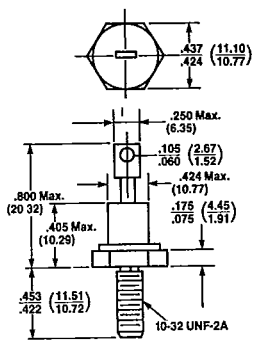


R70

R7S

Standard Rectifiers Outline Drawings

JEDEC DO-4



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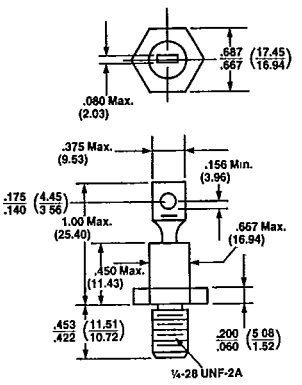

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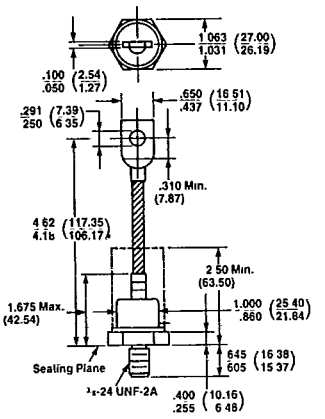

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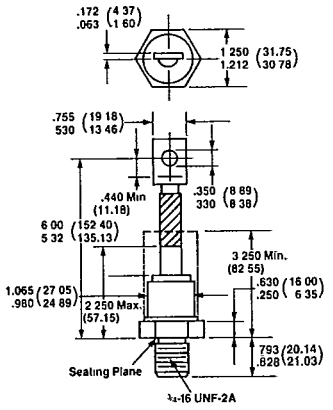

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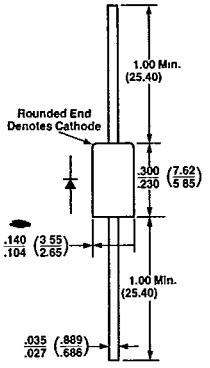

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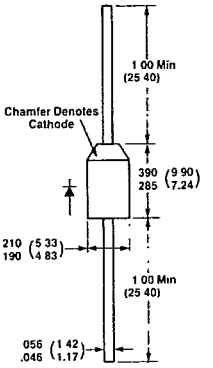
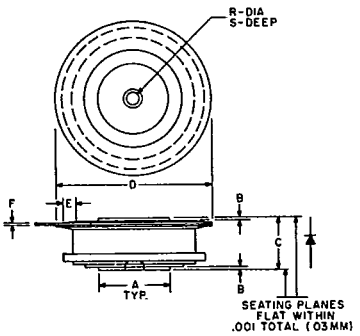
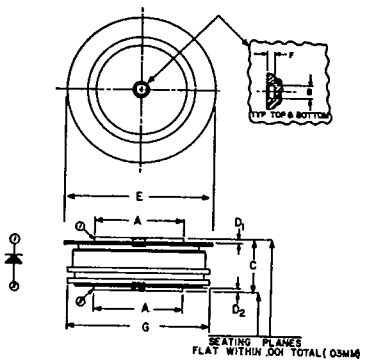


JEDEC DO-200AA (Type 1) (A390)



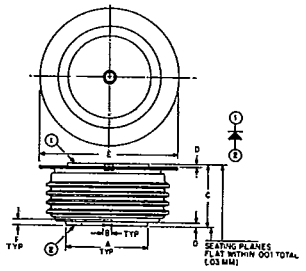
	Inches		Millimeters	
Dim	Min	Max	Min	Max
A	.744	.752	18.89	19.10
B	.030	.060	.76	1.52
C	.515	.565	13.08	14.35
D	1.600	1.656	40.64	41.9
E	.110	—	2.79	—
F	.031	.017	.33	.43
R	.135	.145	3.42	3.68
S	.067	.083	1.70	2.1

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



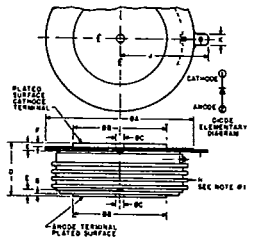
Dim	Inches Min	Inches Max	Millimeters Min	Millimeters Max
A	.985	.995	25.01	25.27
B	.135	.145	3.42	3.68
C	.560	.605	14.22	15.37
D_1	.040	—	1.01	—
D_2	.030	—	.76	—
E	1.600	1.650	40.64	41.91
F	.070	.085	1.77	2.16
G	—	1.585	—	40.26

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

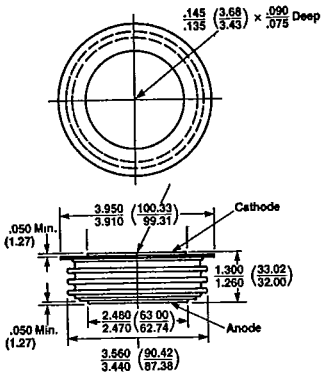


Dim	Inches Min	Inches Max	Millimeters Min	Millimeters Max
A	—	2.960	—	75.18
B	1.800	1.900	45.78	49.26
C	0.136	0.146	3.45	3.71
D	1.000	1.070	25.10	27.18
E	.070	.100	1.78	2.54
F	.030	—	0.76	—
G	.003	.067	0.13	1.70
H	—	—	—	—
J	1.630	1.710	42.67	43.43
K	.186	.189	4.72	4.80

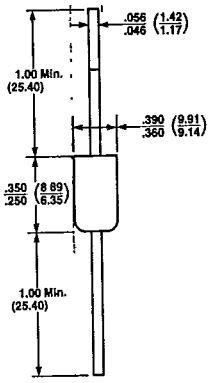
Note: *Glazed ceramic insulator with 1.00-inch (25.40mm) surface creepage, minimum.*

Standard Rectifiers Outline Drawings

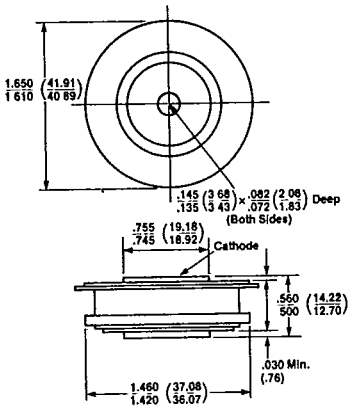
RA2



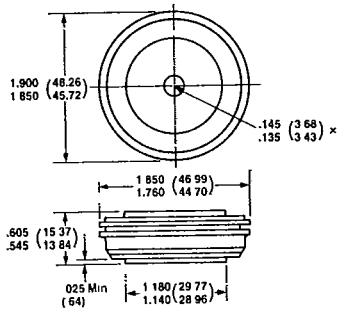
R34



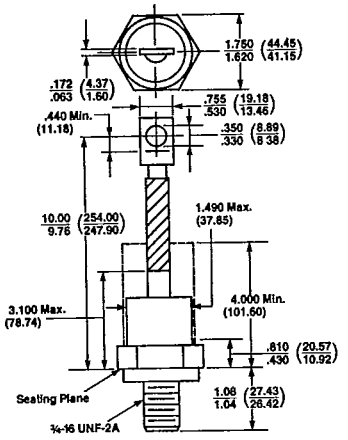
R62



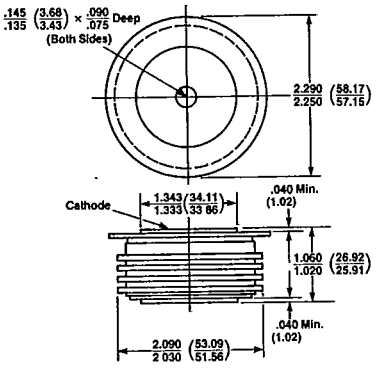
R7S



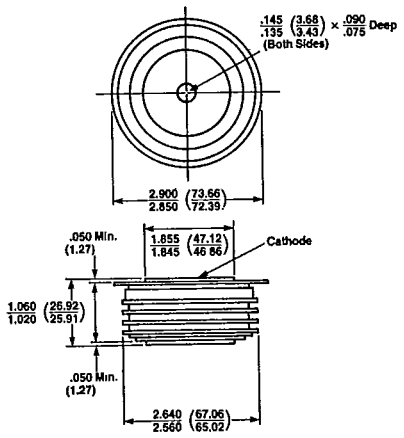
R70



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