Standard Rectifiers

$I_{F(AV)}$ T_C=100° C 50% Duty Cycle, Half Sine 60 Hz (Amps)	I_{FSM} (Amps) 50 Hz	60 Hz	I^2t for Fusing @ 8.3 ms (A^2sec)	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)
.8	45	50	10	.3	50-1000	1	.9	—	–65 to 175	—	—
3	180	200	165	.5	50-1000	3	.9	—	–65 to 175	—	—
6	360	400	650	.5	50-1000	6	.9	—	–65 to 175	—	—
12	228	250	260	.200	50-1000	38	1.3	—	–65 to 200	2.0	—
12	228	250	260	.200	50-1000	38	1.3	—	–65 to 200	2.0	—
15×	225	250	260	5	50-600	47	1.5	—	–65 to 175	2	—
16	273	300	375	.200	50-1000	50	1.2	—	–65 to 200	1.0	—
16	273	300	375	.200	50-1000	50	1.2	—	–65 to 200	1.0	—
18×	200	220	200	5	50-600	56	2.35	—	–65 to 175	1.5	—
20×	318	350	510	5	50-200	63	1.5	—	–65 to 175	2	—
20×	318	350	510	5	50-200	63	1.5	—	–65 to 175	2	—
20×	318	350	510	5	50-200	63	1.2	—	–65 to 175	1.5	—
22×	455	500	1050	5	50-600	69	2	—	–65 to 200	1.5	—
25 T_C=145°C	364	400	675	5	50-600	79	1.8	—	–65 to 200	1.5	—
25×	455	500	1050	5	50-1000	79	1.4	—	–65 to 200	1.5	—
25×	455	500	1050	5	50-1000	79	1.4	—	–65 to 200	1.5	—
35× T_C=140°C	455	500	1050	5	50-600	110	1.7	—	–65 to 200	1.0	—
35× T_C=140°C	455	500	1050	5	700-1000	110	1.7	—	–65 to 200	1.0	—
40×	728	800	2600	5	50-600	126	1.2	—	–65 to 200	1.0	—
40×	728	800	2600	5	50-1000	126	1.2	—	–65 to 200	1.0	—
40×	728	800	2600	5	50-1000	126	1.2	—	–65 to 200	1.0	—
60 T_C=140°C	820	900	3400	5	50-1000	220	1.35	—	–65 to 190	.6	—
60 T_C=140°C	820	900	3400	5	50-1000	220	1.27	—	–65 to 190	.6	—
60 T_C=130°C	910	1000	4160	5	50-1000	188	1.7	—	–65 to 200	.75	—
60 T_C=130°C	1090	1200	5600	5	50-1000	188	1.7	—	–65 to 200	.65	—
60 T_C=110°C	728	800	2600	3	100-500	200	1.2	—	–20 to 150	.55	.20
60 T_C=110°C	728	800	2600	3	100-500	200	1.2	—	–20 to 150	.55	.20
70 T_C=140°C	1090	1200	6000	5	50-1000	220	1.27	—	–65 to 190	.6	—

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.
—	—	—	—	Axial Leaded	DO-15	1N5391-5399
—	—	—	—	Axial Leaded	DO-27	1N5400-5408
—	—	—	—	Axial Leaded	R34	R340__ __06
36	25	1-2	20 lb-in / 23 kg-cm	10-32 Stud	DO-4	R310__ __12
36	25	1-2	20 lb-in / 23 kg-cm	10-32 Stud	DO-4	R311__ __12R
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N3208-3214*
36	25	1-2	20 lb-in / 23 kg-cm	10-32 Stud	DO-4	R310__ __16
36	25	1-2	20 lb-in / 23 kg-cm	10-32 Stud	DO-4	R311__ __16R
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N1191-1198
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N248A-250A*
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N248B-250B*
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N248C-250C*
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N1191A-1198A*
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N2154-2160*
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R410__ __25
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R411__ __25R
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N1183-1190
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N3765-3768
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	1N1183A-1190A
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R410__ __40
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R411__ __40R
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R414__ __60
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R415__ __60R
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R404__ __60
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R405__ __60R
—	—	—	51 lb-in / 60 kg-cm	Flat Base	25×64 mm	°SR60L-R
—	—	—	51 lb-in / 60 kg-cm	Flat Base	25×64 mm	°SR60L-S
100	25	2-4	30 lb-in / 35 kg-cm	¼-28 Stud	DO-5	R414__ __70

JEDEC DO-4

JEDEC DO-5

* = Reverse Polarity Types Available
° = Tentative Specifications
× = Tc @ 150°C
R = Reverse Polarity