

$I_F(AV)$ $T_c=100^\circ C$ 50% Duty Cycle, Half Sine 60 Hz (Amps)	I_{FSM} (Amps) 50 Hz	I_{FSM} (Amps) 60 Hz	I^2t for Fusing @ 8.3 ms (A ² sec)	I_{RRM} @ V_{RRM} and $T_J(Max)$ (mA)	V_{RRM} Range (Volts)	V_{FM} @ $T_J=25^\circ C$ I_{FM} (Amps) V_{FM} (Volts)	Chip Size (mm)	Junction Temp. Range ($^\circ C$)	$R_{\theta JC}$ ($^\circ C/W$)	$R_{\theta CS}$ Lubricated ($^\circ C/W$)
.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 $T_c=145^\circ C$	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* $T_c=140^\circ C$	455	500	1050	5	50-600	110 1.7	—	-65 to 200	1.0	—
35* $T_c=140^\circ C$	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 $T_c=140^\circ C$	820	900	3400	5	50-1000	220 1.35	—	-65 to 190	.6	—
60 $T_c=140^\circ C$	820	900	3400	5	50-1000	220 1.27	—	-65 to 190	.6	—
60 $T_c=130^\circ C$	910	1000	4160	5	50-1000	188 1.7	—	-65 to 200	.75	—
60 $T_c=130^\circ C$	1090	1200	5600	5	50-1000	188 1.7	—	-65 to 200	.65	—
60 $T_c=110^\circ C$	728	800	2600	3	100-500	200 1.2	—	-20 to 150	.55	.20
60 $T_c=110^\circ C$	728	800	2600	3	100-500	200 1.2	—	-20 to 150	.55	.20
70 $T_c=140^\circ C$	1090	1200	6000	5	50-1000	220 1.27	—	-65 to 190	.6	—

91 DE 7294621 0001746 1

Typical Reverse Recovery Time @ $T_J=25^\circ\text{C}$ I_{FM} dI_R/dt t_{rr} (Amps) (A/ μsec) (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	$\frac{20 \text{ lb-in}}{23 \text{ kg-cm}}$	10-32 Stud	DO-4	R310__12
36	25	1-2	$\frac{20 \text{ lb-in}}{23 \text{ kg-cm}}$	10-32 Stud	DO-4	R311__12 ^R
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N3208-3214*
36	25	1-2	$\frac{20 \text{ lb-in}}{23 \text{ kg-cm}}$	10-32 Stud	DO-4	R310__16
36	25	1-2	$\frac{20 \text{ lb-in}}{23 \text{ kg-cm}}$	10-32 Stud	DO-4	R311__16 ^R
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N1191-1198
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N248A-250A*
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N248B-250B*
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N248C-250C*
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N1191A-1198A*
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N2154-2160*
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R410__25
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R411__25 ^R
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N1183-1190
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N3765-3768
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	1N1183A-1190A
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R410__40
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R411__40 ^R
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R414__60
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R415__60 ^R
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R404__60
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R405__60 ^R
—	—	—	$\frac{51 \text{ lb-in}}{60 \text{ kg-cm}}$	Flat Base	25 × 64 mm	°SR60L-R
—	—	—	$\frac{51 \text{ lb-in}}{60 \text{ kg-cm}}$	Flat Base	25 × 64 mm	°SR60L-S
100	25	2-4	$\frac{30 \text{ lb-in}}{35 \text{ kg-cm}}$	¼-28 Stud	DO-5	R414__70



JEDEC DO-4



JEDEC DO-5

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