

# SILICON DIODES

JEDEC TYPE		IN2155-60		IN1184-90 IN3765-68 IN5332		IN4529-30	IN1184A-90A	
NATIONAL TYPE NO.		A139					A77	A72
<b>I<sub>FM</sub></b> (AV) Max. average forward current (A) @ T <sub>c</sub> °C		25	25	35	35	40	70	70
		75	145	140	500	115	100	120
<b>I<sub>FSM</sub></b> Max peak one cycle surge current (A)		400	400	500	500	800	750	1000
<b>I<sup>2</sup>t</b> Max at 8.3 msec (A <sup>2</sup> sec)		650	650	1000	1000	2650	2300	4000
<b>V<sub>FM</sub></b> Max. peak voltage drop @ peak amps., T <sub>J</sub> = 25°C		1.95	1.2	1.4	1.4	1.1	2.0	1.2
		100	50	100	100	100	200	200
<b>R<sub>θJC</sub></b> Max. thermal resistance junction-to-case (°C/W)		1.0	1.4	1.0	1.0	1.0	4	.4
<b>T<sub>J</sub></b> Max. junction operating temperature (°C)		125	200	200	175	200	150	150
<b>T<sub>rr</sub></b> Max. reverse recovery time (nsec)		500	—	—	—	—	1000	—
REPETITIVE PEAK REVERSE VOLTAGE (V <sub>RRM</sub> )	100 A		IN2155	IN1184		IN1184A	A77A	A72A
	200 B		IN2156	IN1186		IN1186A	A77B	A72B
	300 C		IN2157	IN1187		IN1187A		A72C
	400 D		IN2158	IN1188		IN1188A	A77D	A72D
	500 E	A139E	IN2159	IN1189		IN1189A		A72E
	600 M	A139M	IN2160	IN1190		IN1190A	A77M	A72M
	700 S			IN3765				A72S
	800 N	A139N		IN3766			A77N	A72N
	900 T			IN3767				A72T
	1000 P	A139P		IN3768	IN4529		A77P	A72P
1200 PB			IN5332	IN4530		A77PB	A72PB	
Stud Torque (in-lbs)		30	30	30	30	30	30	30
Package Type		¼" Stud	¼" Stud	¼" Stud	¼" Stud	¼" Stud	¼" Stud	¼" Stud
Package Outline Number		DO-5	DO-5	DO-5	DO-5	DO-5	DO-5	DO-5