

# Rectifiers

## Standard Recovery

100-200 Amps

**International**  
**IGOR Rectifier**

Part Number	V <sub>RRM</sub> (V)	I <sub>F(AV)</sub> @ T <sub>c</sub>		I <sub>FSM</sub> (1)		V <sub>FM</sub> @ $\pi \times I_{F(AV)}$ (V)	R <sub>thJC</sub> DC (°C/W)	Case Outline Number (14)	Notes	Case Style
		(A)	(°C)	50 Hz (A)	60 Hz (A)					
1N3111 1N3085 1N3086 1N3087 1N3088 1N3089 1N3090 1N3091 1N3092 1N5162	50 100 200 300 400 500 600 800 1000 1200	150	150	2850	3000	1.2	0.25	R10 A	(5) (7)	DO-205AC (DO-30)
150L5A 150L10A 150L20A 150L30A 150L40A 150L60A 150L80A 150L100A 150L120A	50 100 200 300 400 600 800 1000 1200	150	150	3000	3140	1.33	0.25		(5) (9)	
45L10 45L20 45L40 45L60 45L80 45L100 45L120	100 200 400 600 800 1000 1200	150	150	3000	3140	1.33	0.25		(2) (3) (5)	
SD150N02P SD150N04P SD150N06P SD150N08P SD150N10P SD150N12P SD150N14P SD150N16P SD150N18PC SD150N20PC SD150N22PC SD150N24PC SD150N26PC SD150N28PC SD150N30PC	200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000	150	125	2390	2500	1.6	0.27	R10 B R11 B	(4) (6)	
R18CG4A R18CG4B R18CG6A R18CG6B R18CG8A R18CG8B R18CG10A R18CG10B R18C12A R18C12B R18C14A R18C14B R18C16A R18C18A	400 400 600 600 800 800 1000 1000 1200 1200 1400 1400 1600 1800	200 200 200 200 200 190 200 190 190 185 190 185 185 185	140	4950 4600 4950 4600 4600 4300 4600 4300 4300 3820 4300 3820 3820 3820	5200 4800 5200 4800 4800 4500 4800 4500 4500 4000 4500 4000 4000 4000	1.13 1.21 1.13 1.21 1.21 1.27 1.21 1.27 1.27 1.38 1.27 1.38 1.38 1.38	0.25	R10 A R10 B	(5) (10) (11) (13) (5) (11) (12) (13)	
SD200N02P SD200N04P SD200N06P SD200N08P SD200N12P SD200N14P SD200N16P SD200N18PC SD200N20PC SD200N24PC	200 400 600 800 1200 1400 1600 1800 2000 2400	200	115	3120	3265	1.50	0.27	R10 B R11 B	(4) (6)	



- (1)  $T_j = T_j \text{ max}$ , 100% V<sub>RRM</sub> reapplied.
- (2) Available with flat base, to specify add "F", in basic part number as follows: 45LF.
- (3) Available with metric stud, to specify add "M" to end of basic part number, e.g. 45L120M.
- (4) Available with metric stud : to specify change "P" to "M" at the end of part number, e.g. SD200N14M etc.
- (5) Cathode to stud. For Anode to Stud add "R" to basic part number, e.g. 1N3735R, R18CGR4A.
- (6) Cathode to stud. For Anode to stud change "N" to "R" in basic part number, e.g. SD200R12P.
- (7) V<sub>FM</sub> for JEDEC type is registered value at max T<sub>j</sub>.
- (8) Also available with stud-topped case (152K...A, 152L...A), and flag terminal (154K...A, 154L...A).
- (9) Also available with flag terminal; add "2" to standard part number : R18CG4A2 (outline R15).
- (10) Also available with stud-topped case; add "3" to standard part number: R18CG4A3.
- (11) Also available with flag terminal; add "2" to standard part number, e.g. R18C12A2 (outline R16).

- (13) U.S. standard.
- (14) For case outline drawing see page 150.