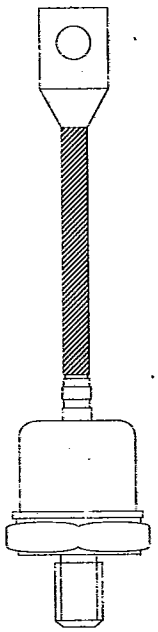
Rectifiers, Standard Recovery

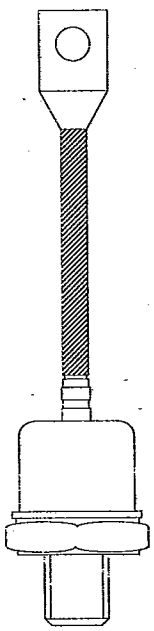
International IOR Rectifier

T-01-01

100 TO 200 AMPS

Part number	V_{RRM} (V)	$I_{F(AV)}$ (A)	T_C (°C)	I_{FSM} (1) 50Hz (A)	I_{FSM} (1) 60Hz (A)	V_{FM} $\pi \times I_{F(AV)}$ (V)	R_{thJC} DC (°C/W)	Case Outline Number	Notes	Case style
1N3288A	100	100	130	2197	2300	1.5	0.4	R8 A	(5) (7) (8)	DO-205AA (DO-8)
1N3289A	200									
1N3290A	300									
1N3291A	400									
1N3292B	500									
1N3293A	600									
1N3294A	800									
1N3295A	1000									
1N3296A	1200									
150K5A	50	150	150	3000	3140	1.33	0.25	R8 A	(5) (9)	
150K10A	100									
150K20A	200									
150K30A	300									
150K40A	400									
150K60A	600									
150K80A	800									
150K100A	1000									
150K120A	1200									
R18SG4A	400	200	140	4966	5200	1.13	0.25	R8 A	(5) (10) (11) (13)	
R18SG4B	400	200		4584	4800	1.21				
R18SG6A	600	200		4966	5200	1.13				
R18SG6B	600	200		4584	4800	1.21				
R18SG8A	800	200		4584	4800	1.21				
R18SG8B	800	190		4300	4500	1.27				
R18SG10A	1000	200		4584	4800	1.21				
R18SG10B	1000	190		4300	4500	1.27				
R18S12A	1200	190		4300	4500	1.27				
R18S12B	1200	185		3820	4000	1.38				
R18S14A	1400	190		4300	4500	1.27		R9 A	(5) (11) (12) (13)	
R18S14B	1400	185		3820	4000	1.38				
R18S16A	1600	185		3820	4000	1.38				
R18S18A	1800	185		3820	4000	1.38				
1N3111	50	150	150	2865	3000	1.2	0.25	R10 A	(5) (7)	DO-205AC (DO-30)
1N3085	100									
1N3086	200									
1N3087	300									
1N3088	400									
1N3089	500									
1N3090	600									
1N3091	800									
1N3092	1000									
1N5162	1200									
150L5A	50	150	150	3000	3140	1.33	0.25	R10 A	(5) (9)	
150L10A	100									
150L20A	200									
150L30A	300									
150L40A	400									
150L60A	600									
150L80A	800									
150L100A	1000									
150L120A	1200									
45L10	100	150	150	3000	3140	1.33	0.25	R10 A	(2) (3) (5)	
45L20	200									
45L40	400									
45L60	600									
45L80	800									
45L100	1000									
45L120	1200									
SD150N02P	200	150	125	2390	2500	1.60	0.27	R10 B	(4) (6)	
SD150N04P	400									
SD150N06P	600									
SD150N08P	800									
SD150N10P	1000									
SD150N12P	1200									
SD150N14P	1400									
SD150N16P	1600									
SD150N18PC	1800							R11 B		
SD150N20PC	2000									
SD150N22PC	2200									
SD150N24PC	2400									
SD150N26PC	2600									
SD150N28PC	2800									
SD150N30PC	3000									





(1) TJ = TJ max, 100% VRRM 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 end of part number, e.g. SD150N18M etc.
(5) Cathode-to-stud. For Anode-to-stud add "R" to basic part number, e.g. 45LR120, R18SGR6A,1N3291RA, 150KR10A.
(6) Cathode-to-stud. For Anode-to-stud change "N" to "R" in basic part number, e.g. SD150R12P.
(7) VFM for Jedec types is registered value at max Tj.
(8) 1N3288 series is also available.
(9) Also available with stud-topped case (152K...A, 152L...A), and flag terminal (154K...A, 154L...A).
(10) Also available with flag terminal; add "2" to standard part number: R18SG4A2 (outline R15).
(11) Also available with stud-topped case; add "3" to standard part number: R18SG4A3.
(12) Also available with flag terminal: add "2" to standard part number, e.g. R18S12A2 (outline R16).
(13) U.S. standard.