

New Jersey Semi-Conductor Products, Inc.

20 STERN AVE.
SPRINGFIELD, NEW JERSEY 07081

U.S.A. Standard Recovery
250-380 Amps

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Part Number	V _{RRM} (V)	I _F (AV) @ T _C		I _{FSM} (1)		V _{FM} @ π × I _F (AV) (V)	R _{thJC} DC (°C/W)	Case Outline Number (10)	Notes	Case Style	
		(A)	(°C)	50 Hz (A)	60 Hz (A)						
70U10 70U20 70U40 70U60 70U80 70U100 70U120	100 200 400 600 800 1000 1200	250	150	5500	5750	1.30	0.18	R13 A	(2) (4)	DO-205AB (DO-9)	
								R13 B			
300U10A 300U20A 300U40A 300U60A 300U80A 300U100A 300U120A	100 200 400 600 800 1000 1200	300	130	5500	5750	1.40	0.18	R13 A			
300U10AM 300U20AM 300U40AM 300U60AM 300U80AM 300U100AM 300U120AM	100 200 400 600 800 1000 1200							R13 A			
300U10AMA 300U20AMA 300U40AMA 300U60AMA 300U80AMA 300U100AMA 300U120AMA	100 200 400 600 800 1000 1200	300	130	5500	5750	1.40	0.18	R13 A			
								R13 A			
301U80 301U100 301U120 301U140 301U160 301U180 301U200 301U220 301U240 301U250	800 1000 1200 1400 1600 1800 2000 2200 2400 2500	300	120	5970	6265	1.62	0.15	R13 B			(3) (4) (9)
								R14 B			
SD300N02PC SD300N04PC SD300N06PC SD300N08PC SD300N10PC SD300N12PC SD300N14PC SD300N16PC SD300N18PC SD300N20PC SD300N22PC SD300N24PC SD300N26PC SD300N28PC SD300N30PC	200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000	380	100	4030	4225	1.65	0.13	R13 B			(5) (6)
								R14 B			





(1) T_j = T_j max, 100% V_{RRM} reapplied.

(2) Available with flat base, to specify add "F" in basic Part Number as follows: 70UF... & 300UF...A.

(3) Available with strengthening cone suitable for high "G" applications. To specify change "301" to "305" in part number, e.g., 305U200.

(4) Cathode to stud. For Anode to Stud add "R" to basic part number, e.g., 70UR120, 300UR120A, 301UR120, R23DGR6A.

(5) Cathode to stud. For Anode to stud change "N" to "R" in basic part number, e.g. SD300R12PC.

(6) Available with metric stud: to specify change "P" to "M" at the end of part number, e.g. SD300N18M etc.

(9) For reverse types: I_{F(AV)} = 300 @ T_C = 135°C, R_{thJC} = 0.12°C/W DC operation.

(10) For case outline drawing see page 150.

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