

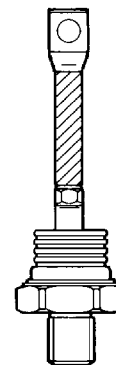
Diodes

Standard Recovery

475–650 Amps

International
IOR Rectifier

Part Number	VRRM (V)	IF(AV) @ TC		IFSM (1)		VFM @ IFM		RthJC (°C/W)	Case Outline Number (19)	Notes	Case Style
		(A)	(°C)	50 Hz (A)	60 Hz (A)	(V)	(A)				
SD500N30PC SD500N32PC SD500N34PC SD500N36PC SD500N38PC SD500N40PC SD500N42PC SD500N44PC SD500N45PC	3000 3200 3400 3600 3800 4000 4200 4400 4500	475	55	6310	6600	1.66	1000	0.1	R25	(7) (8) (10) (17)	B-8
SD600N02PC SD600N04PC SD600N06PC SD600N08PC SD600N10PC SD600N12PC SD600N14PC SD600N16PC SD600N18PC SD600N20PC SD600N22PC SD600N24PC SD600N25PC SD600N26PC SD600N28PC SD600N30PC SD600N32PC	200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2500 2600 2800 3000 3200	600	92	10900	11450	1.31	1500	0.1			
		600	54	8830	9250	1.44	1500	0.1			
470PDA10 470PDA20 470PDA40 470PDA60	100 200 400 600	470	103	5550	5760	1.60	1480	0.1	R26	(14) (15) (18)	DO-200AA (A-PUK)
470PDAR10 470PDAR20 470PDAR40 470PDAR60	100 200 400 600	470	103	5550	5760	1.60	1480	0.1		(14) (16) (18)	
SD300C02C SD300C04C SD300C06C SD300C08C SD300C10C SD300C12C SD300C14C SD300C16C SD300C18C SD300C20C SD300C22C SD300C24C SD300C25C SD300C26C SD300C28C SD300C30C SD300C32C	200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2500 2600 2800 3000 3200	650	55	5090	5330	2.08	1500	0.073		(14) (17) (20)	
		540	55	5090	5330	2.08	1500	0.073			



- (1) $T_j = T_j \text{ max}$, 100% VRRM reapplied.
 (7) Available with metric stud: To specify add "M" to part number (e.g., SD500N30MC).
 (8) Available with flat base: To specify add "F" to part number (e.g., SD500N30FC).
 (10) Cathode to stud. For anode change "N" to "R" (SD500R30PC).
 (14) DC operation, double side cooled.
 (15) Cathode to flange, standard in Europe.
 (16) Anode to flange, standard in USA.
 (17) VFM measured at $T_j = T_j \text{ max}$.
 (18) VFM measured at $T_j = 25^\circ\text{C}$.
 (19) For case outline drawing see page 0-2.
 (20) $I_{F(AV)}$ and R_{th} measured to heat sink.