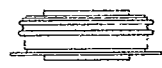


Fast Recovery Rectifiers

410 TO 845 AMPS

International
IR Rectifier

T-03-01

Part number	V _{RRM} (V)	I _{F(AV)} @T _C		I _{FSM} (1)		V _{FM} π × I _{F(AV)} (V)	R _{thJC} DC (2) (°C/W)	t _{rr} (3) (ns)	Case Outline Number	Notes	Case style
		(A)	(°C)	50Hz (A)	60Hz (A)						
SD603C02S05C	200							500			B-43 
SD603C04S05C	400							500			
SD603C06S05C	600							500			
SD603C08S05C	800							500			
SD603C10S05C	1000							500			
SD603C02S10C	200							1000			
SD603C04S10C	400							1000			
SD603C06S10C	600							1000			
SD603C08S10C	800							1000			
SD603C10S10C	1000							1000			
SD603C12S10C	1200							1000			
SD603C14S10C	1400							1000			
SD603C02S15C	200							1500			
SD603C04S15C	400							1500			
SD603C06S15C	600	600	55	7000	7329	2.97	0.038	1500	R20 B		
SD603C08S15C	800							1500			
SD603C10S15C	1000							1500			
SD603C12S15C	1200							1500			
SD603C14S15C	1400							1500			
SD603C16S15C	1600							1500			
SD603C18S15C	1800							1500			
SD603C20S15C	2000							1500			
SD603C22S15C	2200							1500			
SD603C02S20C	200							2000			
SD603C04S20C	400							2000			
SD603C06S20C	600							2000			
SD603C08S20C	800							2000			
SD603C10S20C	1000							2000			
SD603C12S20C	1200							2000			
SD603C14S20C	1400							2000			
SD603C16S20C	1600							2000			
SD603C18S20C	1800							2000			
SD603C20S20C	2000							2000			
SD603C22S20C	2200							2000			
R30EF6A	600	595	85	9550	10000	1.67	0.038	900			
R30EF6B	600	595	85	9550	10000	1.67	0.038	1100			
R30EF8A	800	595	85	9550	10000	1.67	0.038	900			
R30EF8B	800	595	85	9550	10000	1.67	0.038	1100			
R30EF10A	1000	560	85	9073	9500	1.75	0.038	1000			
R30EF10B	1000	560	85	9073	9500	1.75	0.038	1200			
R30EF12A	1200	560	85	9073	9500	1.75	0.038	1000			
R30EF12B	1200	560	85	9073	9500	1.75	0.038	1200			
R30EF14A	1400	520	85	8595	9000	1.92	0.038	1250	R20 A	(13)	
R30EF14B	1400	520	85	8595	9000	1.92	0.038	1500			
R30EF16A	1600	520	85	8595	9000	1.92	0.038	1250			
R30EF16B	1600	520	85	8595	9000	1.92	0.038	1500			
R30EF18A	1800	465	85	8309	8700	2.12	0.038	2000			
R30EF18B	1800	465	85	8309	8700	2.12	0.038	2400			
R30EF20A	2000	465	85	8309	8700	2.12	0.038	2000			
R30EF20B	2000	465	85	8309	8700	2.12	0.038	2400			
R30EF22A	2200	410	85	7831	8200	2.34	0.038	2750			
R30EF22B	2200	410	85	7831	8200	2.34	0.038	3300			
R30EF24A	2400	410	85	7831	8200	2.34	0.038	2750			
R30EF24B	2400	410	85	7831	8200	2.34	0.038	3300			
SD803C02S10C	200							1000			
SD803C04S10C	400							1000			
SD803C06S10C	600							1000			
SD803C08S10C	800							1000			
SD803C10S10C	1000							1000			
SD803C02S15C	200							1500			
SD803C04S15C	400							1500			
SD803C06S15C	600							1500			
SD803C08S15C	800	845	55	9500	9946	1.89	0.038	1500	R20 B		
SD803C10S15C	1000							1500			
SD803C02S20C	200							2000			
SD803C04S20C	400							2000			
SD803C06S20C	600							2000			
SD803C08S20C	800							2000			
SD803C10S20C	1000							2000			
SD803C12S20C	1200							2000			
SD803C14S20C	1400							2000			

(1) 100% VRRM reapplied, T_J = T_J max = 125 °C.

(2) Double side cooled.

(3) T_J = 25 °C.

(13) U.S. standard.