

Device Type	Reverse Voltage		Average Forward Current (5)					Repetitive Surge Current	1 Cycle Surge Current tp=8.3ms	Reverse Recovery (3)	Forward Voltage		Reverse Current		Thermal Impedance	Case Outline
			(1)		(2)											
	V _{RRM}	V _{RRM}	I _F (AV) @ T _C		I _F (AV) @ T _A			I _{FRM}	I _{FSM}	T _{rr}	V _F	@I _F	I _R	I _R	θ _{JA}	
	25 C	55 C	100 C	25 C	55 C						@25 C	@25 C	@100 C			
	Volts	Volts	Amps	Amps	Amps	Amps	Amps	Amps	Amps	ns	Volts	Amps	µA	µA	C/W	

LOW VOLTAGE (1000V)

SET03##03A	1000	1000	—	30	22	—	—	—	150	2000	1.2	9	1	20	1.5	G51
SET03##04A	400	400	—	30	22	—	—	—	150	150	1.5	9	1	20	1.5	G51
SET03##11	150	150	—	30	20	—	—	—	175	30	1.1	9	10	500	1.5	G51
SET03##12A	600	600	—	30	22	—	—	—	150	2000	1.2	9	1	20	1.5	G51
SET03##19A	1000	1000	—	20	16	—	—	—	150	150	2.2	9	1	25	1.5	G51
SET03##23	500	500	—	20	16	—	—	—	150	50	1.60	9	10	500	1.5	G51
SC*A05	50	50	—	15	10	5.0	4.0	25	150	2000	1.00	3	1	20	4.0	G24
SC*A1	100	100	—	15	10	5.0	4.0	25	150	2000	1.00	3	1	20	4.0	G24
SC*A2	200	200	—	15	10	5.0	4.0	25	150	2000	1.00	3	1	20	4.0	G24
SC*A4	400	400	—	15	10	5.0	4.0	25	150	2000	1.00	3	1	20	4.0	G24
SC*A6	600	600	—	15	10	5.0	4.0	25	150	2000	1.00	3	1	20	4.0	G24
SC*A05F	50	50	—	15	10	3.0	2.3	25	150	150	1.10	3	1	20	4.0	G24
SC*A1F	100	100	—	15	10	3.0	2.3	25	150	150	1.10	3	1	20	4.0	G24
SC*A2F	200	200	—	15	10	3.0	2.3	25	150	150	1.10	3	1	20	4.0	G24
SC*A4F	400	400	—	15	10	3.0	2.3	25	150	150	1.10	3	1	20	4.0	G24
SC*A05FF	50	50	—	15	10	4.5	3.5	24	175	30	0.97	5	10	500	4.0	G24
SC*A10FF	100	100	—	15	10	4.5	3.5	24	175	30	0.97	5	10	500	4.0	G24
SC*A15FF	150	150	—	15	10	4.5	3.5	24	175	30	0.97	5	10	500	4.0	G24
SC*AR05	50	50	45	35	20	—	—	70	375	2000	1.00	9	3	60	1.5	G25
SC*AR1	100	100	45	35	20	—	—	70	375	2000	1.00	9	3	60	1.5	G25
SC*AR2	200	200	45	35	20	—	—	70	375	2000	1.00	9	3	60	1.5	G25
SC*AR4	400	400	45	35	20	—	—	70	375	2000	1.00	9	3	60	1.5	G25
SC*AR6	600	600	45	35	20	—	—	70	375	2000	1.00	9	3	60	1.5	G25
AC*AR8	800	800	45	35	20	—	—	70	375	2000	1.00	9	3	60	1.5	G25
SC*AR10	1000	1000	45	35	20	—	—	70	375	2000	1.00	9	3	60	1.5	G25
SC*AR05F	50	50	40	31	18	—	—	70	450	150	1.10	9	3	60	1.5	G25
SC*AR1F	100	100	40	31	18	—	—	70	450	150	1.10	9	3	60	1.5	G25
SC*AR2F	200	200	40	31	18	—	—	70	450	150	1.10	9	3	60	1.5	G25
SC*AR4F	400	400	40	31	18	—	—	70	450	150	1.10	9	3	60	1.5	G25
SC*AR05FF	50	50	45	35	20	—	—	70	450	30	0.97	15	30	1500	1.5	G25
SC*AR10FF	100	100	45	35	20	—	—	70	450	30	0.97	15	30	1500	1.5	G25
SC*AR15FF	150	150	45	35	20	—	—	70	450	30	0.97	15	30	1500	1.5	G25
SC*AS05	50	50	85	70	45	—	—	120	900	2000	1.00	18	6	120	0.8	G27A
SC*AS1	100	100	85	70	45	—	—	120	900	2000	1.00	18	6	120	0.8	G27A
SC*AS2	200	200	85	70	45	—	—	120	900	2000	1.00	18	6	120	0.8	G27A
SC*AS4	400	400	85	70	45	—	—	120	900	2000	1.00	18	6	120	0.8	G27A
SC*AS6	600	600	85	70	45	—	—	120	900	2000	1.00	18	6	120	0.8	G27A
SC*AS05F	50	50	80	65	42	—	—	120	900	150	1.10	18	6	120	0.8	G27A
SC*AS1F	100	100	80	65	42	—	—	120	900	150	1.10	18	6	120	0.8	G27A
SC*AS2F	200	200	80	65	42	—	—	120	900	150	1.10	18	6	120	0.8	G27A
SC*AS4F	400	400	80	65	42	—	—	120	900	150	1.10	18	6	120	0.8	G27A
SC*AS05FF	50	50	85	70	45	—	—	135	900	30	0.97	30	60	3000	0.8	G27A
SC*AS10FF	100	100	85	70	45	—	—	135	900	30	0.97	30	60	3000	0.8	G27A
SC*AS15FF	150	150	85	70	45	—	—	135	900	30	0.97	30	60	3000	0.8	G27A
SCS*MOL	1000	1000	150	110	70	—	—	—	750	2000	1.00	18	6	200	0.5	G26
SCS*F4L	400	400	120	100	65	—	—	—	750	150	1.10	18	6	200	0.5	G26
SCS*FF05L	50	50	150	130	85	—	—	—	875	30	0.95	30	60	3000	0.5	G26
SCS*FF10L	100	100	150	130	85	—	—	—	875	30	0.95	30	60	3000	0.5	G26
SCS*FF15L	150	150	150	130	85	—	—	—	875	30	0.95	30	60	3000	0.5	G26

NOTES: Operating and Storage Temp. Range: -55°C to +150°C except where shown
 (1) Ratings at Case Temperature T_C; (2) Ratings at Ambient Temperature T_A
 (3) Measured on discrete devices prior to assembly; (4) Rating at Oil Temperature T_O
 (5) Average Rectified Current = 0.5 x I_F(AV) for Doubler

(A) Operating and Storage Temperature Range = -55°C to +175°C

Add code for configuration: ## = 10 or * = D for Doubler

08 N for Negative Center Tap
 06 P for Positive Center Tap

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Semtech:](#)

[SET030623](#)