

OPERATING TEMPERATURE RANGE
 20V to 45V-85°C to -125°C
 90V to 80V-65°C to +150°C
 STORAGE TEMPERATURE RANGE-65°C to+150°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz		Maximum Forward Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @PRV @25°C T _a	Maximum Forward Voltage @25°C T _a	
	PRV	I _o (T _a) ¹		I _{FSM} (Surge)	I _R	I _{FM}	V _{FM}
		Yes	AW	°C	Apk	mA _R	Apk

T_a Lead Temp@38° From Body

1.0 AMPERE-SCHOTTKY(DO-4)

1N5817	20	1.0	90	25	1.0	1.0	0.45
1N5818	30	1.0	90	25	1.0	1.0	0.55
1N5819	40	1.0	90	25	1.0	1.0	0.60
SR102	20	1.0	75	40	1.0	1.0	0.55
SR103	30	1.0	75	40	1.0	1.0	0.55
SR104	40	1.0	75	40	1.0	1.0	0.55
SR105	50	1.0	100	40	1.0	1.0	0.70
SR106	60	1.0	100	40	1.0	1.0	0.70
SR108	80	1.0	100	40	1.0	1.0	0.70

3.0 AMPERES-SCHOTTKY(DO-27)

1N5820	20	3.0	95	80	2.0	3.0	0.475
1N5821	30	3.0	95	80	2.0	3.0	0.500
1N5822	40	3.0	95	80	2.0	3.0	0.525
SR302	20	3.0	75	150	3.0	3.0	0.55
SR303	30	3.0	75	150	3.0	3.0	0.55
SR304	40	3.0	75	150	3.0	3.0	0.55
SR305	50	3.0	100	150	3.0	3.0	0.75
SR306	60	3.0	100	150	3.0	3.0	0.75
SR308	80	3.0	100	150	3.0	3.0	0.75

5.0 AMPERES-SCHOTTKY(DO-27)

SR502	30	5.0	60	250	10	5.0	0.57
SR503	30	5.0	60	250	10	5.0	0.57
SR504	40	5.0	60	250	10	5.0	0.57
SR505	50	5.0	85	250	10	5.0	0.70
SR506	60	5.0	85	250	10	5.0	0.70
SR508	80	5.0	85	250	10	5.0	0.70

8.0 AMPERES-SCHOTTKY(TO-220A)

SR820	30	8.0	90	150	5.0	8.0	0.65
SR830	30	8.0	90	150	5.0	8.0	0.65
SR835	35	8.0	90	150	5.0	8.0	0.65
SR840	40	8.0	90	150	5.0	8.0	0.65
SR845	45	8.0	90	150	5.0	8.0	0.65
SR850	50	8.0	115	150	5.0	8.0	0.75
SR860	60	8.0	115	150	5.0	8.0	0.75
SR880	80	8.0	115	150	5.0	8.0	0.75

NOTES: 1.Suffix "R" for Reverse Polarity

2. T_a Case Temperature T_a Measured At Metal Top.

OPERATING TEMPERATURE RANGE
 20V to 45V -65°C to +125°C
 30V to 80V -65°C to +150°C
 STORAGE TEMPERATURE: -65°C to +150°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @PRV @25°C T _a	Maximum Forward Voltage @25°C T _a	
		I _o @T _a				I _{FSM}	V _{FSM}
	PRV	AA'	°C	Agk	gpk	Agk	Vpk



10 AMPERES-SCHOTTKY/TO-220A

SR1020	20	10	135	150	0.1	20	0.84
SR1030	30	10	135	150	0.1	20	0.84
SR1035	35	10	135	150	0.1	20	0.84
SR1040	40	10	135	150	0.1	20	0.84
SR1045	45	10	135	150	0.1	20	0.84
SR1050	50	10	135	150	0.1	20	0.84
SR1060	60	10	135	150	0.1	20	0.84

NOTE: Suffix "R" for Reverse Polarity



15 AMPERES-SCHOTTKY/TO-220

SR1520	20	15	90	150	10	8.0	0.65
SR1530	30	15	90	150	10	8.0	0.65
SR1535	35	15	90	150	10	8.0	0.65
SR1540	40	15	90	150	10	8.0	0.65
SR1545	45	15	90	150	10	8.0	0.65
SR1550	50	15	115	150	10	8.0	0.75
SR1560	60	15	115	150	10	8.0	0.75

NOTE: Suffix "C"=Common Cathode, "A"=Common Anode, "D"=Double Connection



30 AMPERES-SCHOTTKY/TO-18P

SR3020	20	30	75	300	10	15	0.65
SR3030	30	30	75	300	10	15	0.65
SR3035	35	30	75	300	10	15	0.65
SR3040	40	30	75	300	10	15	0.65
SR3045	45	30	75	300	10	15	0.65
SR3050	50	30	100	300	10	15	0.75
SR3060	60	30	100	300	10	15	0.75

NOTE: Suffix "C"=Common Cathode, "A"=Common Anode, "D"=Double Connection



50 AMPERES-SCHOTTKY/TO-18P

SR5020	20	50	100	400	10	25	0.65
SR5030	30	50	100	400	10	25	0.65
SR5035	35	50	100	400	10	25	0.65
SR5040	40	50	100	400	10	25	0.65
SR5045	45	50	100	400	10	25	0.65
SR5050	50	50	100	400	10	25	0.75

NOTE: Suffix "C"=Common Cathode, "A"=Common Anode, "D"=Double Connection