

SCHOTTKY BARRIER RECTIFIERS

OPERATING TEMPERATURE RANGE

20V to 45V: -65°C to +125°C

50V 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	
	PRV	I _o @ T _L *		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	mAdc	A _{PK}	V _{PK}

T_L* Lead Temp. @3/8" From Body**1.0 AMPERE-SCHOTTKY/DO-41 (CASE 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 (CASE 7)

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 (CASE 7)

SR502	20	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 (CASE 10)

SR820	20	8.0	*90	250	5.0	8.0	0.65
SR830	30	8.0	*90	250	5.0	8.0	0.65
SR835	35	8.0	*90	250	5.0	8.0	0.65
SR840	40	8.0	*90	250	5.0	8.0	0.65
SR845	45	8.0	*90	250	5.0	8.0	0.65
SR850	50	8.0	*115	250	5.0	8.0	0.75
SR860	60	8.0	*115	250	5.0	8.0	0.75
SR880	80	8.0	*115	250	5.0	8.0	0.75

NOTE: 1. Suffix "R" for Reverse Polarity.
2. "*" Case Temperature Measured At Metal Tap.