

SCHOTTKY BARRIER RECTIFIERS



OPERATING TEMPERATURE RANGE

20V to 45V: -65°C to +125°C

50V to 60V: -65°C to +150°C

STORAGE TEMPERATURE -65°C to +150°C

SURGE PART NUMBER	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}

1.0 AMPERE-SCHOTTKY/DO-41 (CASE 5)

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

3.0 AMPERES-SCHOTTKY/DO-201AD (CASE 8)

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	2.0	3.0	0.55
SR303	30	3.0	75	150	2.0	3.0	0.55
SR304	40	3.0	75	150	2.0	3.0	0.55
SR305	50	3.0	100	150	2.0	3.0	0.75
SR306	60	3.0	100	150	2.0	3.0	0.75

5.0 AMPERES-SCHOTTKY/DO-201AD (CASE 8)

SR502	20	5.0	60	200	1.0	5.0	0.57
SR503	30	5.0	60	200	1.0	5.0	0.57
SR504	40	5.0	60	200	1.0	5.0	0.57
SR505	50	5.0	85	200	1.0	5.0	0.70
SR506	60	5.0	85	200	1.0	5.0	0.70

8.0 AMPERES-SCHOTTKY/TO-220A (CASE 10)

SRA820	20	8.0	*90	150	1.0	8.0	0.65
SRA830	30	8.0	*90	150	1.0	8.0	0.65
SRA835	35	8.0	*90	150	1.0	8.0	0.65
SRA840	40	8.0	*90	150	1.0	8.0	0.65
SRA845	45	8.0	*90	150	1.0	8.0	0.65
SRA850	50	8.0	*115	150	1.0	8.0	0.75
SRA860	60	8.0	*115	150	1.0	8.0	0.75

NOTE: 1. * Case Temperature Measured At Metal Tab.

2. For Negative Case Please Add "R" Suffix.