

SCHOTTKY BARRIER RECTIFIERS

PLASTIC MATERIAL USED CARRIES UL 94V-0
 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

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 @ P_{RV} @ 25°C T_A	Maximum Forward Voltage @ 25°C T_A	
	P_{RV}	$I_O @ T_L$		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/R-1 (CASE 5)



1N17	20	1.0	90	20	1.0	1.0	0.45
1N18	30	1.0	90	20	1.0	1.0	0.55
1N19	40	1.0	90	20	1.0	1.0	0.60
1S20	20	1.0	75	35	1.0	1.0	0.55
1S30	30	1.0	75	35	1.0	1.0	0.55
1S40	40	1.0	75	35	1.0	1.0	0.55
1S50	50	1.0	100	35	1.0	1.0	0.70
1S60	60	1.0	100	35	1.0	1.0	0.70

1.0 AMPERE-SCHOTTKY/DO-41 (CASE 7)



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
SR120	20	1.0	75	40	1.0	1.0	0.55
SR130	30	1.0	75	40	1.0	1.0	0.55
SR140	40	1.0	75	40	1.0	1.0	0.55
SR150	50	1.0	100	40	1.0	1.0	0.70
SR160	60	1.0	100	40	1.0	1.0	0.70
SR180	80	1.0	100	40	1.0	1.0	0.85
SR1100	100	1.0	100	40	1.0	1.0	0.85

3.0 AMPERE-SCHOTTKY/DO-201AD (CASE 11)



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
SR320	20	3.0	75	80	3.0	3.0	0.55
SR330	30	3.0	75	80	3.0	3.0	0.55
SR340	40	3.0	75	80	3.0	3.0	0.55
SR350	50	3.0	100	80	3.0	3.0	0.75
SR360	60	3.0	100	80	3.0	3.0	0.75

5.0 AMPERE-SCHOTTKY/DO-201AD (CASE 11)



SR520	20	5.0	60	150	10	5.0	0.55
SR530	30	5.0	60	150	10	5.0	0.55
SR540	40	5.0	60	150	10	5.0	0.55
SR550	50	5.0	85	150	10	5.0	0.70
SR560	60	5.0	85	150	10	5.0	0.70

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	P_{RV}	I_O @ T_C		I_{FM} (Surge)	I_R	I_{FM}	V_{FM}
	V_{PK}	A_{AV}	°C	A_{PK}	mAdc	A_{PK}	V_{PK}



8.0 AMPERE-SCHOTTKY/TO-220A (CASE 13)

SR820	20	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

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



16 AMPERE-SCHOTTKY/TO-220 (CASE 14)

SR1620C	20	16	90	150	10	8.0	0.65
SR1630C	30	16	90	150	10	8.0	0.65
SR1635C	35	16	90	150	10	8.0	0.65
SR1640C	40	16	90	150	10	8.0	0.65
SR1645C	45	16	90	150	10	8.0	0.65
SR1650C	50	16	115	150	10	8.0	0.75
SR1660C	60	16	115	150	10	8.0	0.75

NOTE : Suffix " A " = Common Anode.



30 AMPERE-SCHOTTKY/TO-247 (CASE 15)

SR3020C	20	30	75	300	10	15.0	0.65
SR3030C	30	30	75	300	10	15.0	0.65
SR3035C	35	30	75	300	10	15.0	0.65
SR3040C	40	30	75	300	10	15.0	0.65
SR3045C	45	30	75	300	10	15.0	0.65
SR3050C	50	30	100	300	10	15.0	0.75
SR3060C	60	30	100	300	10	15.0	0.75

NOTE : Suffix " A " = Common Anode.



50 AMPERE-SCHOTTKY/TO-247 (CASE 15)

SR5020C	20	50	100	400	10	25.0	0.65
SR5030C	30	50	100	400	10	25.0	0.65
SR5035C	35	50	100	400	10	25.0	0.65
SR5040C	40	50	100	400	10	25.0	0.65
SR5045C	45	50	100	400	10	25.0	0.65
SR5050C	50	50	125	400	10	25.0	0.75

NOTE : Suffix " A " = Common Anode.