

# SCHOTTKY BARRIER RECTIFIERS

OPERATING TEMPERATURE RANGE 20 to 45V -65°C to +125°C 50 and 60V -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 Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV		Maximum Forward Voltage @ 25°C T <sub>A</sub>	
	PRV	I <sub>o</sub> @ T <sub>C</sub>		I <sub>FM</sub> (Surge)	I <sub>R</sub> @ T <sub>C</sub>		I <sub>FM</sub>	V <sub>FM</sub>
	V <sub>PK</sub>	AAV	°C	APK	mAdc	°C	APK	V <sub>PK</sub>

## 10 AMPERES SCHOTTKY/TO-220A



SR1002	20	10	135	150	0.1	25	20	0.84
SR1003	30	10	135	150	0.1	25	20	0.84
SR1004	40	10	135	150	0.1	25	20	0.84
SR1005	50	10	135	150	0.1	25	20	0.84
SR1006	60	10	135	150	0.1	25	20	0.84
NST1020	20	10	90	150	5.0	25	8.0	0.55
NST1030	30	10	90	150	5.0	25	8.0	0.55
NST1045	45	10	90	150	5.0	25	8.0	0.55

NOTE: Suffix "R" for Reverse Polarity.



## 10 AMPERES SCHOTTKY/TO-220

NSR 1020	20	10	105	100	5.0	25	5.0	0.55
NSR 1030	30	10	105	100	5.0	25	5.0	0.55
NSR 1045	45	10	105	100	5.0	25	5.0	0.55

NOTE: Standard type = Common Cathode, Common Anode = Suffix "A", Doubler Connection = Suffix "D".



## 16 AMPERES SCHOTTKY/TO-220A

NST1625	25	16	115	250	5.0	25	16	0.65
NST1635	35	16	115	250	5.0	25	16	0.65
NST1645	45	16	115	250	5.0	25	16	0.65

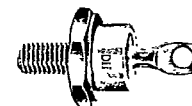
NOTE: Suffix "R" for Reverse Polarity.



## 16/20 AMPERES-SCHOTTKY/TO-220

SR1602	20	16	90	250	10	25	8.0	0.65
SR1603	30	16	90	250	10	25	8.0	0.65
SR1604	40	16	90	250	10	25	8.0	0.65
SR1605	50	16	115	250	10	25	8.0	0.75
SR1606	60	16	115	250	10	25	8.0	0.75
NST3020	20	16	90	250	5.0	25	8.0	0.55
NST3030	30	16	90	250	5.0	25	8.0	0.55
NST3045	45	16	90	250	5.0	25	8.0	0.55
NST2025	25	20	135	150	2.0	25	20	0.84
NST2035	35	20	135	150	2.0	25	20	0.84
NST2045	45	20	135	150	2.0	25	20	0.84

NOTE: Standard type = Common Cathode, Common Anode = Suffix "A", Doubler Connection = Suffix "D".



## 15/25/30 AMPERES-SCHOTTKY/DO-4

1N5826	20	15	85	500	75	100	15	0.44
1N5827	30	15	85	500	75	100	15	0.47
1N5828	40	15	85	500	75	100	15	0.50
1N5829	20	25	80	800	150	100	25	0.44
1N5830	30	25	80	800	150	100	25	0.46
1N5831	40	25	80	800	150	100	25	0.48
1N6095	30	25	70	400	250	125	7 8.5	*0.86
1N6096	40	25	70	400	250	125	7 8.5	*0.86
SD41	45	30	105	600	125	125	30	**0.55

NOTE: 1. Suffix "R" for reverse polarity  
2. \*V<sub>F</sub> Test @ T<sub>C</sub> = 70°C,  
3. \*\*V<sub>F</sub> Test @ T<sub>C</sub> = 125°C.