

SCHOTTKY BARRIER RECTIFIERS

T.O3-19

OPERATING/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 _A	
	PRV	I _o @ T _C		I _{FM} (Surge)	I _R @ T _C		I _{FM}	V _{FM}
	V _{PK}	AAV	°C	A _{PK}	mAdc	°C	A _{PK}	V _{PK}

**30/45 AMPERE SCHOTTKY/TO-3PA**

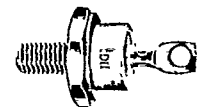
SR3030S	30	30	125	500		25	30/60	0.65/0.81
SR3040S	40	30	125	500		25	30/60	0.65/0.81
SR3045S	45	30	125	500		25	30/60	0.65/0.81
SD41P	45	30	125	500	125	125	30	0.6
SR4530S	30	45	125	500		25	45/90	0.66/0.86
SR4540S	40	45	125	500		25	45/90	0.66/0.86
SR4545S	45	45	125	500		25	45/90	0.66/0.86

**20/30/40/50 AMPERE SCHOTTKY/TO-3P**

SR2020	20	20	95	150	2.0	25	10	0.65
SR2030	30	20	95	150	2.0	25	10	0.65
SR2045	45	20	95	150	2.0	25	10	0.65
SR3030	30	30	100	300	2.0	25	15	0.7
SR3040	40	30	100	300	2.0	25	15	0.7
SR3045	45	30	100	300	2.0	25	15	0.7
SR3050	50	30	100	300	2.0	25	15	0.7
SD241P	45	30	95	400	100	125	20	0.60
SR4020	20	40	100	400	2.0	25	20	0.7
SR4030	30	40	100	400	2.0	25	20	0.7
SR4040	40	40	100	400	2.0	25	20	0.7
SR4045	45	40	100	400	2.0	25	20	0.7
SR4050	50	40	100	400	2.0	25	20	0.7
SR5020	20	50	125	600	2.0	25	25	0.67
SR5030	30	50	125	600	2.0	25	25	0.67
SR5040	40	50	125	600	2.0	25	25	0.67
SR5045	45	50	125	600	2.0	25	25	0.67
SR5050	50	50	125	600	2.0	25	25	0.67

NOTE: 1. Standard Type = Common Cathode, Common Anode = Suffix "A", Doubler Connection = Suffix "D".

2. PIV Rating of 60V Available By Special Order.

**15/25/30 AMPERE 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
1N6095	30	25	70	400	250	125	78.5	*0.86
1N6096	40	25	70	400	250	125	78.5	*0.86
SD41	45	30	105	600	125	125	30	**0.55
NSD3020	20	30	125	500	150	125	30	0.65
NSD3030	30	30	125	500	150	125	30	0.65
NSD3045	45	30	125	500	150	125	30	0.65

NOTE: 1. Suffix "R" for reverse polarity.

2. *V_F Test @ T_C = 70°C.3. **V_F Test @ T_C = 125°C.