

# HIGH POWER SCHOTTKY RECTIFIERS STUD DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load	Maximum DC Instantaneous Reverse Current @V <sub>RRM</sub>		Maximum Instantaneous Forward Voltage @25°C	
	V <sub>RRM</sub>	I <sub>o</sub> @T <sub>c</sub>		I <sub>FSM</sub>	I <sub>R</sub> @T <sub>j</sub>		V <sub>F</sub>	I <sub>F</sub>
	V <sub>PK</sub>	A	°C	A	@25°C mA	@125°C mA	V	A



### 25AMP / SCHOTTKY RECTIFIER / DO-4

SEE THE PACKAGE ON PAGE 37

1N5829( R )	20	25	100	400	1	20	0.70	25
1N5830( R )	25	25	100	400	1	20	0.70	25
1N6095( R )	30	25	100	800	1	20	0.75	25
1N5831( R )	35	25	100	400	1	20	0.75	25
1N6096( R )	40	25	100	800	1	20	0.75	25

T<sub>j</sub> and T<sub>stg</sub> of -40°C to +150°C

I<sub>FSM</sub> for 25°C

With Suffix R for Cathode



### 30AMP / SCHOTTKY RECTIFIER / DO-4

SEE THE PACKAGE ON PAGE 37

SD41( R )	35	30	140	600	1	20	0.75	30
SD4145( R )	45	30	140	600	1	20	0.75	30

T<sub>j</sub> and T<sub>stg</sub> of -40°C to +150°C

I<sub>FSM</sub> for 25°C

With Suffix R for Cathode



### 35AMP / SCHOTTKY RECTIFIER / DO-4

SEE THE PACKAGE ON PAGE 37

MBR3520( R )	20	35	110	600	1	20	0.70	35
MBR3530( R )	30	35	110	600	1	20	0.75	35
MBR3535( R )	35	35	110	600	1	20	0.75	35
MBR3540( R )	40	35	110	600	1	20	0.75	35
MBR3545( R )	45	35	110	600	1	20	0.75	35
MBR3560( R )	60	35	110	600	1	20	0.80	35
MBR3580( R )	80	35	110	600	1	20	0.88	35
MBR35100( R )	100	35	110	600	1	20	0.88	35

T<sub>j</sub> and T<sub>stg</sub> of -40°C to +150°C

I<sub>FSM</sub> for 25°C

With Suffix R for Cathode