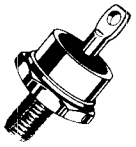
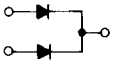
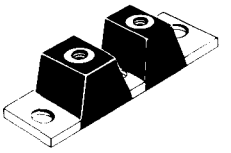
Table 24. Schottky Rectifiers (continued)

**I_O, AVERAGE RECTIFIED FORWARD CURRENT (Amperes)					
75	**80**	**120**	**200**		**300**
257-01 (DO-203AB) Metal 		357C-01 Plastic POWER TAP  			
				MBR20015CTL	
				MBR20020CTL	
				MBR20025CTL	
BYS75-30††				MBR20030CTL	
	MBR8035	MBR12035CT	MBR20035CT		MBR30035CT
BYS75-45††	MBR8045	MBR12045CT	MBR20045CT		MBR30045CT
BYS75-50††		MBR12050CT	MBR20050CT		MBR30050CT
		MBR12060CT	MBR20060CT		MBR30060CT
1000	1000	1500	1500	1500	2500
100	120	140	140	140	140
150	175	175	175	175	175
0.64 T_C = 25°C	0.59 T_C = 150°C	0.68 T_C = 125°C	0.71 T_C = 125°C	0.48 @ T_C = 150°C	0.64 T_C = 125°C

** I_O is total device output.

Table 27. Rectifier Applications (continued)

Output Rectifiers											
Schottky For 2 V and 5 V Outputs				Fast Recovery (200 ns) For ≥ 5 V Outputs				Ultrafast Recovery (35 ns) For ≥ 5 V Outputs			
Output Current	Suggested Devices*			Output Current	Suggested Devices*			Output Current	Suggested Devices*		
	Type	I_O	V_R*		Type	I_O	V_R*		Type	I_O	V_R*
1–2 A	1N5818 1N5821 MBR330P 1N5824 MBR735	1 A 3 A 5 A 7.5 A	30 V 30 V 30 V 30 V 35 V	<1/2 A	1N4934	1 A	100 V	<1/2 A	MUR110 MUR860	1 A 8 A	100 V 600 V
5–10 A	1N5827 MBR1530 1N5830 1N6095 MBR735 MBR1035 MBR1635	15 A 15 A 25 A 25 A 7.5 A 10 A 16 A	30 V 30 V 30 V 30 V 35 V 35 V 35 V	1/2–1-1/2 A	1N4934 MR851 MR831 MR801	1 A 1 A 3 A 3 A	100 V 100 V 100 V 100 V	1/2–1-1/2 A	MUR110 MUR810 MUR860	1 A 2.5 A @ T_A 8 A	100 V 100 V 600 V
10–15 A	1N5830 MBR2535 SD41 MBR3535 MBR1635 MBR1035	25 A 25 A 30 A 35 A 15 A 10 A	30 V 35 V 35 V 35 V 35 V 35 V	1-1/2–2-1/2 A	MR851 MR821 MR831 MR801	3 A 5 A 3 A 3 A	100 V 100 V 100 V 100 V	1-1/2 A–2-1/2 A	MUR810, R MUR810, R MUR860	2.5 A @ T_A 8 A @ T_C 8 A	100 V 100 V 600 V
8–16 A	1N5827 MBR1530 1N5830 1N6095 MBR3035CT MBR1535CT MBR2035CT MBR2535CT	15 A 15 A 25 A 25 A 30 A 15 A 20 A 30 A	30 V 30 V 30 V 30 V 35 V 35 V 35 V 35 V	2–2-1/2 A	MR851 MR801	3 A 3 A	100 V 100 V	2–2-1/2 A	MUR810, R MUR1610CT, R	8 A @ T_C 16 A @ T_C	100 V 100 V
10–20 A	1N5827 MBR1530 1N5830 1N6095 MBR3035CT MBR1535CT MBR2535CT	15 A 15 A 25 A 25 A 30 A 15 A 30 A	30 V 30 V 30 V 30 V 35 V 35 V 35 V	2–2-1/2 A	MR851 MR801	3 A 3 A	100 V 100 V	2–2-1/2 A	MUR810, R MUR1610CT, R	8 A @ T_C 16 A @ T_C	100 V 100 V
30–50 A	1N5830 SD41 1N6095 MBR3535 MBR3035CT MBR6035CT MBR12035CT	25 A 30 A 25 A 35 A 30 A 60 A 100 A	30 V 35 V 30 V 35 V 35 V 35 V 35 V	2–8 A	MR851 MR821 1N3880, A	3 A 5 A 6 A	100 V 100 V 100 V	2–8 A	MUR810, R MUR1610CT, R MUR1510, R	8 A 16 A 15 A	100 V 100 V 100 V
200 A	SD51 MBR6035 MBR7535 1N6097 (In Parallel) MBR20035CT MBR30035CT	60 A 60 A 75 A 50 A 200 A 300 A	35 V 35 V 35 V 30 V 35 V 35 V	40 A	1N3900 1N3910	20 A 30 A	100 V 100 V	40 A	MUR10010CT	100 A	100 V
550 A	SD51 MBR6035 MBR7535 1N6097 (In Parallel) MBR20035CT MBR30035CT	60 A 60 A 75 A 50 A 200 A 300 A	35 V 35 V 35 V 30 V 35 V 35 V	100 A	MR871	50 A	100 V	100 A	MUR20010CT	200 A	100 V

*These suggested devices are the most common used; see the full Selector Guide for other voltages.