

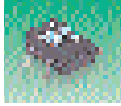
Single Phase Bridge Rectifiers

Notes:

1. Current ratings (I_0) for small bridge rectifiers are quoted at ambient temperature (T_a). For higher current devices, the ratings are quoted at case temperature (T_c) where it is assumed that some form of heatsink is used to maintain the case temperature.
2. Output current ratings shown relate to resistive loads. For capacitive loads derate to 80% of values shown.
3. On devices above 2.7 amps, the maximum values of I_0 dc quoted are based on the assumption that the device is mounted on a chassis or some form of heatsink.

SD99

0.5A and 0.8A Miniature



- High reliability, glass passivated (MBS)
- Silver nitride passivated (S series)
- 30A pk surge rating
- UL 94V-0 recognised

Body H = 2.7, W = 4.83, D = 3.94



SD198

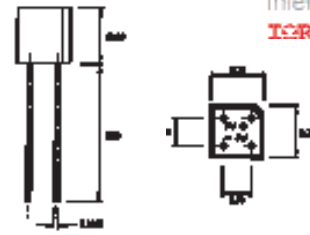
Order Multiple=5

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each				
				5+	100+	200+	500+	1K+
0.5A – General Semiconductor								
200	140	MB2S	.505-808					
400	280	MB4S	.505-810					
600	420	MB6S	.505-821					
0.8A – Diotec								
250	125	S125	935-785	5+	100+	250+	1K+	3K+
500	250	S250	935-797					
800	380	S380	935-803					

1.2A



$I_0 = 1.2A$ dc max @ $T_a = 45^\circ C$
 $0.68A$ dc max @ $T_a = 100^\circ C$
 $I_{FSM} = 50A$



International Rectifier

SD84

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each		
				1+	100+	500+
100	40	1KAB10E	371-208			
200	80	1KAB20E	371-210			
400	160	1KAB40E	371-221			
800	320	1KAB80E	371-245			
1000	400	1KAB100E	371-257			

1.5A, 2A



H = 4, Dia = 9.1

W Series: $I_0 = 1.5A$ dc max @ $T_a = 50^\circ C$
 $I_{FSM} = 50A$
 Operating temperature range, $T_a = 55^\circ C$ to $+125^\circ C$
 $-55^\circ C$ to $+150^\circ C$ (glass passivated)
2W Series: $I_0 = 2.0$ @ $T_a = 50^\circ C$
 $I_{FSM} = 50A$

SD215

Order Multiple=5

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each		
				5+	100+	500+
1.5A Series						
50	35	AM150	330-7890			
100	70	AM151	330-7906			
200	140	AM152	330-7918			
400	280	AM154	330-7920			
600	420	AM156	330-7931			
800	560	AM158	330-7943			
1000	700	AM1510	330-7955			
1.5A, Glass Passivated – Fairchild						
50	35	W005G	.646-660			
100	70	W01G	.646-672			
200	140	W02G	.646-684			
400	280	W04G	.646-696			
600	420	W06G	.646-702			
800	560	W08G	.646-714			
1000	700	W10G	.646-726			
2A Series						
400	280	2W04	706-589 †			

† Available until stocks are exhausted

1.5A, 2.0A and 8.0A



- Reliable low cost package
- High surge current rating

(a) Body H = 12.7, W = 15.2, D = 3.9, Pin Spacing = 4.1
 (b) Body H = 18.8, W = 22.3, D = 3.6, Pin Spacing = 5.3

FAIRCHILD

SD457

V_{RRM}	Max ac Input Voltage, V	Mftrs. List No.	Order Code	Price Each			
				1+	25+	100+	250+
1.5A @ $T_a = 50^\circ C$							
50	35	3N246	165-529				
100	70	3N247	165-530				
200	140	3N248	165-542				
400	280	3N249	165-554				
600	420	3N250	165-566				
800	560	3N251	165-578				
1000	700	3N252	165-580				
2A @ $T_a = 50^\circ C$							
50	35	3N253	165-591				
100	70	3N254	165-608 †				
400	280	3N256	165-621				
800	560	3N258	165-645 †				
1000	700	3N259	165-657				
8.0A @ $T_a = 100^\circ C$							
50	35	GBU8A	165-803				
100	70	GBU8B	165-815				
200	140	GBU8D	165-827				
400	280	GBU8G	165-839				
600	420	GBU8J	165-840				
800	560	GBU8K	165-852				

† Available until stocks are exhausted

1A and 1.5A, Dual-In-Line



I_0 @ $40^\circ C$ A	I_{FSM} A	Mftr.	Series
1.0	30	IR	1B...
1.0	30	IR	1B...S
1.0	30	MC	D10...
1.0	50	GS/IR	DF...M
1.0	50	IR	DF...S
1.5	50	MC	D15...

SD138

Order Multiple=5

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each			
				5+	25+	100+	500+
1A Series – International Rectifier							
50	20	1B005	437-967 †				
100	40	1B01	371-099 †				
200	80	1B02	371-105 †				
400	160	1B04	371-117 †				
600	240	1B06	437-979 †				
50	20	DF005M	994-972				
100	40	DF01M	994-984				
200	80	DF02M	994-996				
400	160	DF04M	995-009				
600	240	DF06M	995-010				
800	320	DF08M	995-022				

Order Multiple=1

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each		
				1+	25+	100+
1A Series, General Semiconductor						
600	420	DF06M	.371-166			
800	560	DF08M	.371-180			

Order Multiple=5

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each			
				5+	100+	500+	1K+
1A Series, Glass Passivated							
50	20	DB101G	740-056				
200	140	DB103G	706-784 †				

Order Multiple=1

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each		
				1+	25+	100+
600	420	D1106	330-6860			
1000	700	D11010	330-6859			

Order Multiple=5

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each			
				5+	100+	500+	1K+
1.5A Series, Glass Passivated							
200	140	DB153G	706-838 †				
200	140	D1152	330-6872				
400	280	DB154G	706-840				
800	500	DB156G	706-851 †				
1000	700	DB157G	706-863 †				
1000	700	D11510	330-6884				

1A Surface Mount – International Rectifier

V_{RRM}	Max ac Input Voltage	Mftrs. List No.	Order Code	Price Each			
				5+	25+	100+	500+
100	40	1B01S	SMD 558-280 †				
400	160	1B04S	SMD 558-308 †				
50	20	DF005S	SMD 995-046				
100	40	DF01S	SMD 995-058				
200	80	DF02S	SMD 995-060				
400	160	DF04S	SMD 995-071				
600	240	DF06S	SMD 995-083				
1000	400	DF10S	SMD 995-101				

† Available until stocks are exhausted