

Bridge Rectifiers

• Single Phase, full wave • Round, single in-line and square cases • BRS 300 and 600 Series designed with hole for heat sink mounting • Low cost, reliable molded construction • Underwriters Laboratories flammability classification 94V-0 • Applications include Video Displays, Switching and Linear Power Supplies, Industrial Equipment, Instrumentation and Audio Equipment

Case Dimensions	Ampere	Case	Type	PRV	Max Avg* Rect. Current @ Half-Wave R or L Load 60Hz		Peak Forward Surge Current 1~60Hz	Max Rev Current @PRV @25°C	Max Forward Voltage @25°C	
					I _o Aav	T _a °C	I _m Apk	I _r μAdc	V _{fm} Vpk	V _{fm} Vpk
	1.0	30 Round	BRR101 BRR102 BRR103 BRR104 BRR105 BRR106 BRR107	50 100 200 400 600 800 1000	1.0	50	30	10	1.2	1.0
	1.5	30 Round	BRR151 BRR152 BRR153 BRR154 BRR155 BRR156 BRR157	50 100 200 400 600 800 1000	1.5	25	50	10	1.0	1.0
	1.5	310 Flatpack In-line	BRF151 BRF152 BRF153 BRF154 BRF155 BRF156 BRF157	50 100 200 400 600 800 1000	1.5	50	50	10	1.0	1.0
	2.0	310 Flatpack In-line	BRF201 BRF202 BRF203 BRF204 BRF205 BRF206 BRF207	50 100 200 400 600 800 1000	2.0	50	60	10	1.0	1.0
	2.5	320 Flatpack In-line	BRF251 BRF252 BRF253 BRF254 BRF255 BRF256 BRF257	50 100 200 400 600 800 1000	2.5	55	150	10	1.25	2.5
	4.0	320A Flatpack In-line	BRF401 BRF402 BRF403 BRF404 BRF405 BRF406 BRF407	50 100 200 400 600 800 1000	4.0	50	200	10	1.2	3.0
	3.0	350 Square	BRS301 BRS302 BRS303 BRS304 BRS305 BRS306 BRS307	50 100 200 400 600 800 1000	3.0	50	50	10	1.1	1.5
	6.0-8.0	350A Square	BRS601 BRS602 BRS603 BRS604 BRS605 BRS606 BRS607	50 100 200 400 600 800 1000	8.0**	50	125	10	1.2	3.0
	10.0	10-35	BRS10-005 BRS10-01 BRS10-02 BRS10-04 BRS10-06 BRS10-08 BRS10-10	50 100 200 400 600 800 1000	10.0	55	200	10	1.2	5A
	12.0	10-35	BRS12-005 BRS12-01 BRS12-02 BRS12-04 BRS12-06 BRS12-08 BRS12-10	50 100 200 400 600 800 1000	12.0	55	300	10	1.2	6A
	15.0	10-35	BRS15-005 BRS15-01 BRS15-02 BRS15-04 BRS15-06 BRS15-08 BRS15-10	50 100 200 400 600 800 1000	15.0	55	300	10	1.2	7.5A
	25.0	10-35	BRS25-005 BRS25-01 BRS25-02 BRS25-04 BRS25-06 BRS25-08 BRS25-10	50 100 200 400 600 800 1000	25.0	55	300	10	1.25	12.5A
	35.0	10-35	BRS35-005 BRS35-01 BRS35-02 BRS35-04 BRS35-06 BRS35-08 BRS35-10	50 100 200 400 600 800 1000	35.0	55	400	10	1.2	17.5A

Operating Temperature
-55°C to +125°C

Storage Temperature
-55°C to +150°C

*Derate 20% for Capacitive Load

**8.0 ampere @ T_c 50°C.
Unit mounted on metal chassis.
6.0 ampere @ T_c 100°C.
Unit mounted on metal chassis.
6.0 ampere @ T_a 50°C.
Unit mounted on PC Board.