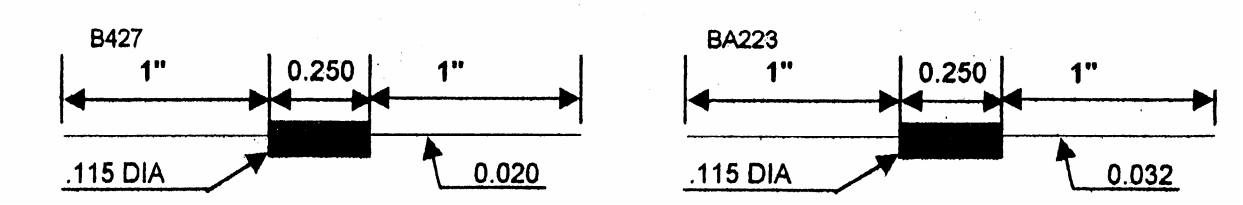
Sub-Miniature High Voltage Rectifiers

Compact tubular construction and flexible leads facilitate circuit mounting, provide excellent thermal conductivity and eliminate sharp edges to reduce corona common to large, rectangular packages. Diodes are manufactured using double junctions that are bonded and selected for uniform electrical characteristics. Series B427 and the BA223, units all meet moisture resistance requirements of MIL Standard 202A, Method 106. Series B427 and BA223 are available in voltage ratings of 1000 to 7000 volts PIV. The B427 is available in a current range of 50ma to 200ma and the BA223 in a current range from 150ma to 1000ma. Both are available in standard and fast recovery series. All series are available with special ratings on request. Other sizes and ratings are available.



Specifications B427, BA223

Standard series

PIV Volts	PART NO.	Io ma @ 55° C	Vf Io @ 25° C	PART NO.	Io ma @ 55° C	Vf Io @ 25° C
1000	B427-10	200	5	BA223-10	1000	5
1500	B427-15	200	5	BA223-15	1000	5
2000	B427-20	200	5	BA223-20	700	5
2500	B427-25	200	5	BA223-25	700	5
3000	B427-30	200	5	BA223-30	500	5
3500	B427-35	100	7	BA223-35	500	7
4000	B427-40	100	7	BA223-40	400	7
4500	B427-45	100	7	BA223-45	400	7
5000	B427-50	100	7	BA223-50	300	7
5500	B427-55	50	10	BA223-55	300	10
6000	B427-60	50	10	BA223-60	200	10
6500	B427-65	50	10	BA223-65	200	10
7000	B427-70	50	10	BA223-70	150	10

Fast Recovery series

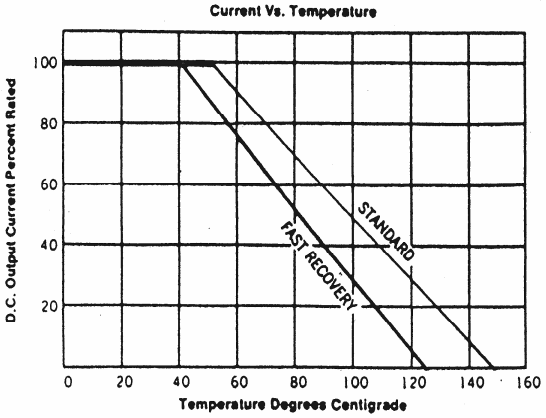
PIV	PART	Io ma @	Vf	PART	Io ma @	Vf
1000	BR427-10	100	7	BAR223-10	500	7
1500	BR427-15	100	7	BAR223-15	500	7
2000	BR427-20	100	7	BAR-223-20	350	7
2500	BR427-25	100	7	BAR-223-25	350	7
3000	BR427-30	100	7	BAR223-30	250	7
3500	BR427-35	50	10	BAR223-35	250	10
4000	BR427-40	50	10	BAR223-40	200	10
4500	BR427-45	50	10	BAR223-45	200	10
5000	BR427-50	50	10	BAR223-50	150	10
5500	BR427-55	25	15	BAR223-55	150	15
6000	BR427-60	25	15	BAR223-60	100	15
6500	BR427-65	25	15	BAR223-65	100	15
7000	BR427-70	25	15	BAR223-70	75	15

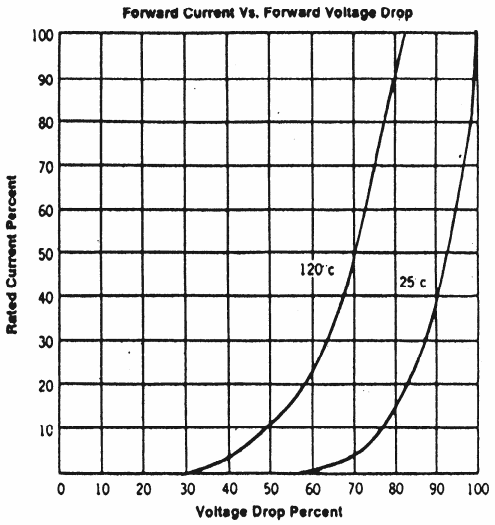
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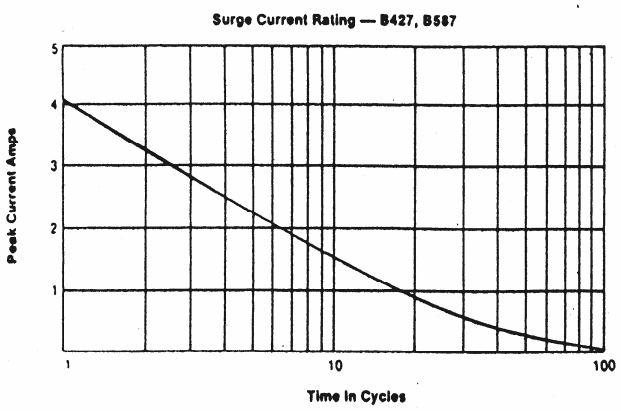
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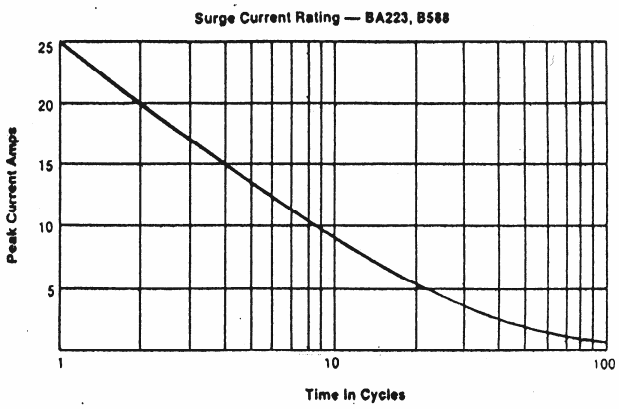
Electrical Ratings

	B427	BR427	BA223	BAR223
Maximum Allowable One Cycle Surge Current: (60 Hz single Phase non-recurrent, at rated PIV and no load)	4 amps	4 amps	25 amps	25 amps
Maximum Reverse Current 25°C @ PIV 100°C	1 ua 40 ua	2 ua 100 ua	5 ua 200 ua	10 ua 500 ua
Recovery Time I_f 2ma and I_r 4 ma recovery to 1 ma	———	250 ns	———	———
Recovery Time I_f 20 ma and I_r 40 ma recovery to 10 ma	———	———	———	200 ns









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