

BRIDGE RECTIFIERS

OPERATING TEMPERATURE RANGE: -55°C TO + 125°C
STORAGE TEMPERATURE RANGE: -55°C TO + 150°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60 Hz		Maximum Forward Peak Surge Current @ 8.3 ms Super Imposed	Maximum Reverse Current @ PRV @ 25°C T _A	Maximum Forward Voltage @ 25°C T _A	
	PRV	I _o @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	μA _{dc}	A _{PK}	V _{PK}

1.0 AMPERES/RS-1/KBP

KBP005 To KBP10/3N246 To 3N252

RS101	50	1.0	50	30	10.0	1.0	1.0
RS102	100	1.0	50	30	10.0	1.0	1.0
RS103	200	1.0	50	30	10.0	1.0	1.0
RS104	400	1.0	50	30	10.0	1.0	1.0
RS105	600	1.0	50	30	10.0	1.0	1.0
RS106	800	1.0	50	30	10.0	1.0	1.0
RS107	1000	1.0	50	30	10.0	1.0	1.0



1.5 AMPERES/WOM

W005M To W10M

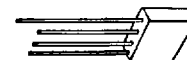
W005M	50	1.5	25	50	10.0	1.0	1.0
W01M	100	1.5	25	50	10.0	1.0	1.0
W02M	200	1.5	25	50	10.0	1.0	1.0
W04M	400	1.5	25	50	10.0	1.0	1.0
W06M	600	1.5	25	50	10.0	1.0	1.0
W08M	800	1.5	25	50	10.0	1.0	1.0
W10M	1000	1.5	25	50	10.0	1.0	1.0



2.0 AMPERES/RS-2/2KBP

2KBP005 To 2KBP10/3N253 To 3N259

BR805D	50	2.0	75	50	10.0	1.0	1.0
BR81D	100	2.0	75	50	10.0	1.0	1.0
BR82D	200	2.0	75	50	10.0	1.0	1.0
BR84D	400	2.0	75	50	10.0	1.0	1.0
BR86D	600	2.0	75	50	10.0	1.0	1.0
BR88D	800	2.0	75	50	10.0	1.0	1.0
BR810D	1000	2.0	75	50	10.0	1.0	1.0

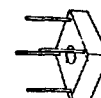


3.0 AMPERES/BR-3/KBPC 1

KBPC 1005 To KBPC 110

BR305	50	3.0	*75	50	10.0	1.5	1.0
BR31	100	3.0	*75	50	10.0	1.5	1.0
BR32	200	3.0	*75	50	10.0	1.5	1.0
BR34	400	3.0	*75	50	10.0	1.5	1.0
BR36	600	3.0	*75	50	10.0	1.5	1.0
BR38	800	3.0	*75	50	10.0	1.5	1.0
BR310	1000	3.0	*75	50	10.0	1.5	1.0

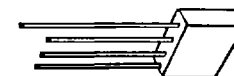
*Heat Sink Temperature



4.0 AMPERES/RS-4/KBL

KBL005 To KBL10

RS401	50	4.0	50	200	10.0	3.0	1.0
RS402	100	4.0	50	200	10.0	3.0	1.0
RS403	200	4.0	50	200	10.0	3.0	1.0
RS404	400	4.0	50	200	10.0	3.0	1.0
RS405	600	4.0	50	200	10.0	3.0	1.0
RS406	800	4.0	50	200	10.0	3.0	1.0
RS407	1000	4.0	50	200	10.0	3.0	1.0



6.0 AMPERES/RS-6/KBU

KBU6A, B, D, G, J, K, M

RS601A	50	6.0	*50	200	10.0	3.0	1.0
RS602B	100	6.0	*50	200	10.0	3.0	1.0
RS603D	200	6.0	*50	200	10.0	3.0	1.0
RS604G	400	6.0	*50	200	10.0	3.0	1.0
RS605J	600	6.0	*50	200	10.0	3.0	1.0
RS606K	800	6.0	*50	200	10.0	3.0	1.0
RS607M	1000	6.0	*50	200	10.0	3.0	1.0

*Heat Sink Temperature





semitronics hot line

TOLL FREE NUMBER 800-777-3960

**discrete
devices**



BRIDGE RECTIFIERS



OPERATING TEMPERATURE RANGE: -55°C to +125°C
STORAGE TEMPERATURE RANGE: -55°C to +150°C

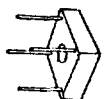
TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3 ms Super Imposed	Maximum Reverse Current @ PRV @ 25°C T _A	Maximum Forward Voltage @ 25°C T _A	
	PRV	I _o @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	uAdc	A _{PK}	V _{PK}

6.0 AMPERES/BR-6/KBPC6

KBPC6005 To KBPC610

BR605	50	6.0	*75	200	10.0	3.0	1.0
BR61	100	6.0	*75	200	10.0	3.0	1.0
BR62	200	6.0	*75	200	10.0	3.0	1.0
BR64	400	6.0	*75	200	10.0	3.0	1.0
BR66	600	6.0	*75	200	10.0	3.0	1.0
BR68	800	6.0	*75	200	10.0	3.0	1.0
BR610	1000	6.0	*75	200	10.0	3.0	1.0

*Heat Sink Temperature



8.0 AMPERES/BR-8/KBPC8

KBPC8005 To KBPC810

BR805	50	8.0	*75	200	10.0	4.0	1.1
BR81	100	8.0	*75	200	10.0	4.0	1.1
BR82	200	8.0	*75	200	10.0	4.0	1.1
BR84	400	8.0	*75	200	10.0	4.0	1.1
BR86	600	8.0	*75	200	10.0	4.0	1.1
BR88	800	8.0	*75	200	10.0	4.0	1.1
BR810	1000	8.0	*75	200	10.0	4.0	1.1

*Heat Sink Temperature



10.0 AMPERES/BR-8/KBPC10

KBPC10005 To KBPC1010

BR1005	50	10.0	*50	200	10.0	5.0	1.2
BR101	100	10.0	*50	200	10.0	5.0	1.2
BR102	200	10.0	*50	200	10.0	5.0	1.2
BR104	400	10.0	*50	200	10.0	5.0	1.2
BR106	600	10.0	*50	200	10.0	5.0	1.2
BR108	800	10.0	*50	200	10.0	5.0	1.2
BR1010	1000	10.0	*50	200	10.0	5.0	1.2

*Heat Sink Temperature



15.0 AMPERES/BR-25/KBPC 15

KBPC150005 To KBPC1510

BR1505	50	15.0	*75	400	10.0	7.5	1.1
BR151	100	15.0	*75	400	10.0	7.5	1.1
BR152	200	15.0	*75	400	10.0	7.5	1.1
BR154	400	15.0	*75	400	10.0	7.5	1.1
BR156	600	15.0	*75	400	10.0	7.5	1.1
BR158	800	15.0	*75	400	10.0	7.5	1.1
BR1510	1000	15.0	*75	400	10.0	7.5	1.1

*Heat Sink Temperature



25.0 AMPERES/MB-25/KBPC25

KBPC25005 To KBPC2510

MB2505	50	25.0	*100	400	10.0	12.5	1.2
MB251	100	25.0	*100	400	10.0	12.5	1.2
MB252	200	25.0	*100	400	10.0	12.5	1.2
MB254	400	25.0	*100	400	10.0	12.5	1.2
MB256	600	25.0	*100	400	10.0	12.5	1.2
MB258	800	25.0	*100	400	10.0	12.5	1.2
MB2510	1000	25.0	*100	400	10.0	12.5	1.2

*Heat Sink Temperature



35.0 AMPERES/MB-35/KBPC35

KBPC35005 To KBPC3510

MB3505	50	35.0	*80	400	10.0	17.5	1.2
MB351	100	35.0	*80	400	10.0	17.5	1.2
MB352	200	35.0	*80	400	10.0	17.5	1.2
MB354	400	35.0	*80	400	10.0	17.5	1.2
MB356	600	35.0	*80	400	10.0	17.5	1.2
MB358	800	35.0	*80	400	10.0	17.5	1.2
MB3510	1000	35.0	*80	400	10.0	17.5	1.2

*Heat Sink Temperature

