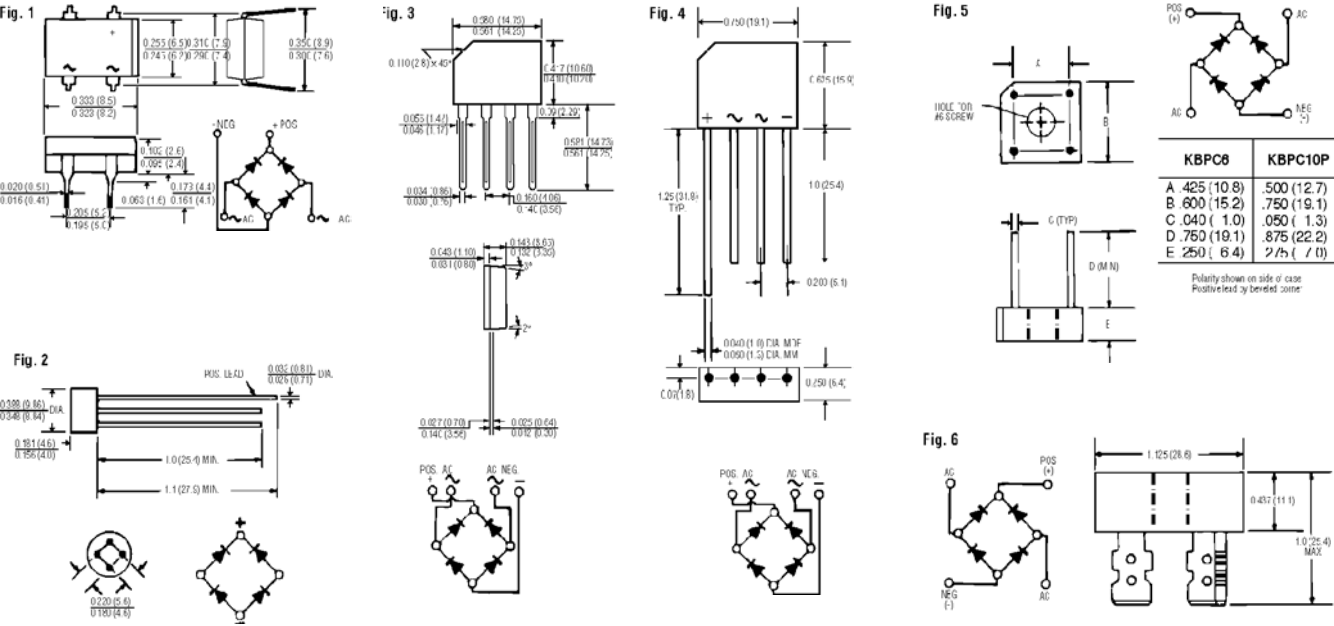


Silicon Bridge Rectifiers

Dimensions — inches (millimeters)



Mfr.'s Type	Fig.	V _{RM} V _{RRM} V _{WM}	V _r (RMS)	I _{FSM}	I _o	V _{RM}	I _{RM} T _a = 100°C †T _c = 100°C
DF005M	1	50 V	35 V	30 A	1.0 A @ T _a = 40°C	1.1 V	0.5 mA
DF01M	1	100 V	70 V	30 A	1.0 A @ T _a = 40°C	1.1 V	0.5 mA
DF02M	1	200 V	140 V	30 A	1.0 A @ T _a = 40°C	1.1 V	0.5 mA
DF04M	1	400 V	280 V	30 A	1.0 A @ T _a = 40°C	1.1 V	0.5 mA
DF06M	1	600 V	420 V	30 A	1.0 A @ T _a = 40°C	1.1 V	0.5 mA
DF10M	1	1000 V	700 V	30 A	1.0 A @ T _a = 40°C	1.1 V	0.5 mA
W005G	2	50 V	35 V	40 A	1.5 A @ T _a = 25°C	1.0 V	1.0 mA
W01G	2	100 V	70 V	40 A	1.5 A @ T _a = 25°C	1.0 V	1.0 mA
W02G	2	200 V	140 V	40 A	1.5 A @ T _a = 25°C	1.0 V	1.0 mA
W04G	2	400 V	280 V	40 A	1.5 A @ T _a = 25°C	1.0 V	1.0 mA
KBPC01G	3	100 V	70 V	40 A	1.5 A @ T _a = 25°C	1.0 V	1.0 mA
KBPC04G	3	400 V	280 V	40 A	1.5 A @ T _a = 25°C	1.0 V	1.0 mA
KBPC01	4	100 V	70 V	200 A	4.0 A @ T _a = 25°C	1.2 V	1.0 mA
KBPC02	4	200 V	140 V	200 A	4.0 A @ T _a = 25°C	1.2 V	1.0 mA
KBPC04	4	400 V	280 V	200 A	4.0 A @ T _a = 25°C	1.2 V	1.0 mA
KBPC08	4	800 V	560 V	200 A	4.0 A @ T _a = 25°C	1.2 V	1.0 mA
KBPC10	4	1000 V	700 V	200 A	4.0 A @ T _a = 25°C	1.2 V	1.0 mA
KBPC6005†	5	50 V	35 V	125 A	6.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC601†	5	100 V	70 V	125 A	6.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC602†	5	200 V	140 V	125 A	6.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC604†	5	400 V	280 V	125 A	6.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC606†	5	600 V	420 V	125 A	6.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC1001P†	5	100 V	70 V	150 A	10.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC1002P†	5	200 V	140 V	150 A	10.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC1004P†	5	400 V	280 V	150 A	10.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC1008P†	5	800 V	560 V	150 A	10.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC1010P†	5	1000 V	700 V	150 A	10.0 A @ T _c = 50°C	1.1 V	1.0 mA
KBPC2501†	6	100 V	70 V	300 A	25.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC2502†	6	200 V	140 V	300 A	25.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC2504†	6	400 V	280 V	300 A	25.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC2506†	6	600 V	420 V	300 A	25.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC2508†	6	800 V	560 V	300 A	25.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC35005†	6	50 V	35 V	400 A	35.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC3501†	6	100 V	70 V	400 A	35.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC3502†	6	200 V	140 V	400 A	35.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC3504†	6	400 V	280 V	400 A	35.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC3506†	6	600 V	420 V	400 A	35.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC3508†	6	800 V	560 V	400 A	35.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC3510†	6	1000 V	700 V	400 A	35.0 A @ T _c = 55°C	1.2 V	1.0 mA
KBPC402†	7	200 V	140 V	200 A	4.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC404†	7	400 V	280 V	200 A	4.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC602†	7	200 V	140 V	250 A	6.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC604†	7	400 V	280 V	250 A	6.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC606†	7	600 V	420 V	250 A	6.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC610†	7	1000 V	700 V	250 A	6.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC1002†	7	200 V	140 V	300 A	10.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC1004†	7	400 V	280 V	300 A	10.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC1006†	7	600 V	420 V	300 A	10.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC1010†	7	1000 V	700 V	300 A	10.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC8005†	7	50 V	35 V	300 A	8.0 A @ T _a = 65°C	1.0 V	1.0 mA†
KBPC801†	7	100 V	70 V	300 A	8.0 A @ T _a = 65°C	1.0 V	1.0 mA
KBPC802†	7	200 V	140 V	300 A	8.0 A @ T _a = 65°C	1.0 V	1.0 mA
KBPC804†	7	400 V	280 V	300 A	8.0 A @ T _a = 65°C	1.0 V	1.0 mA
KBPC806†	7	600 V	420 V	300 A	8.0 A @ T _a = 65°C	1.0 V	1.0 mA
KBPC808†	7	800 V	560 V	300 A	8.0 A @ T _a = 65°C	1.0 V	1.0 mA
KBPC810†	7	1000 V	700 V	300 A	8.0 A @ T _a = 65°C	1.0 V	1.0 mA
MP3502†	8	200 V	140 V	400 A	35.0 A @ T _c = 55°C	1.1 V	0.5 mA
MP3504†	8	400 V	280 V	400 A	35.0 A @ T _c = 55°C	1.1 V	0.5 mA
MP3506†	8	600 V	420 V	400 A	35.0 A @ T _c = 55°C	1.1 V	0.5 mA
MP3508†	8	800 V	560 V	400 A	35.0 A @ T _c = 55°C	1.1 V	0.5 mA
MP3510†	8	1000 V	700 V	400 A	35.0 A @ T _c = 55°C	1.1 V	0.5 mA

T_{SR} = -55 to +150°C. T_i = -55 to +125°C. *Molded plastic case with heatsink internally mounted in bridge encapsulation. Wire leads (0.04 dia.) available on fig. 6 and fig. 8 devices by adding "W" to the end of the part number. †Figs. 5, 6, 7, 8 — Heat sink required to maintain maximum I_o rating.