

KBPC50005~KBPC50510

KBPC SILICON BRIDGE RECTIFIERV

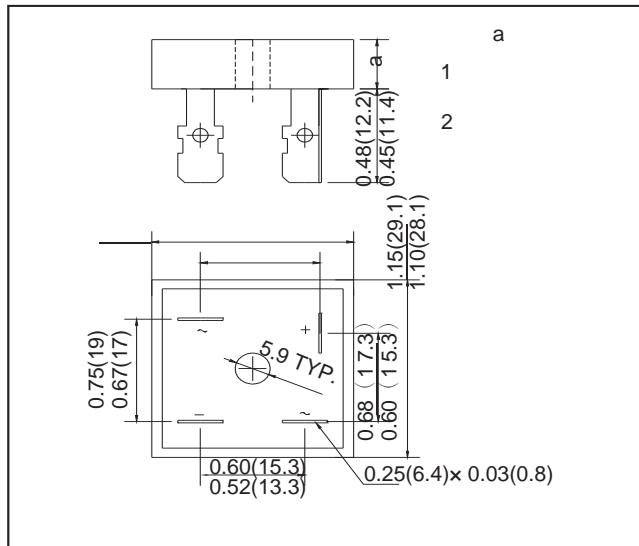
REVERSE VOLTAGE:)\$ --- %000V **CURRENT:** 50.0A

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A97<5B=75@'85H5



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

MDD Catalog Number	SYMBOLS	KBPC 50005W	KBPC 5001W	KBPC 5002W	KBPC 5004W	KBPC 5006W	KBPC 5008W	KBPC 5010W	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	1000	VOLTS
Maximum average forward output rectified current at T _c =50° (Note 1,2)	I _(AV)				50				Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}				100.0				Amps
Maximum instantaneous forward voltage drop per bridge element at 25A	V _F				1.1				Volts
Maximum DC reverse current TA=25°C at rated DC blocking voltage TA=100°C	I _R			10					µA
V ⁺] ◍ } ◍ [} ◍ } ◍ } ◍ }	7>			100					mA
Typical Thermal Resistance (Note 2)	R _{θJA}			2.1					°W
Operating temperature range	T _J ;V _{GH}			-15 to +165					°C

NOTES:

- NOTES:

 1. T^æ@!^æ@^æ@FTPZ@æ]]@^æ@!^ç@!•^æç[|çæ*^æ[-æ!^ç@ÖEÖ
 2. V@^ [æ@!^æ@ç] &^æb^ }&ç[{æç[^æç@^æ[- [^ç@^æ@{ }@^æç@-]\E

