

Bridge Rectifiers

Absolute Maximum Ratings*	T _A = 25°C unless otherwise noted
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Symbol	Parameter	Value						Units	
_		4A	4B	4D	4G	4J	4K	4M	
V _{RRM}	Maximum Repetitive Reverse Voltage	50	100	200	400	600	800	1000	V
V _{RMS}	Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
V _R	DC Reverse Voltage (Rated V _R)	50	100	200	400	600	800	1000	V
I _{F(AV)}	Average Rectified Forward Current, @ $T_A = 50^{\circ}C$	4.0			А				
I _{FSM}	Non-repetitive Peak Forward Surge Current	200			А				
T _{stg}	Storage Temperature Range	-55 to +150			°C				
TJ	Operating Junction Temperature			-58	5 to +1	50			°C

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

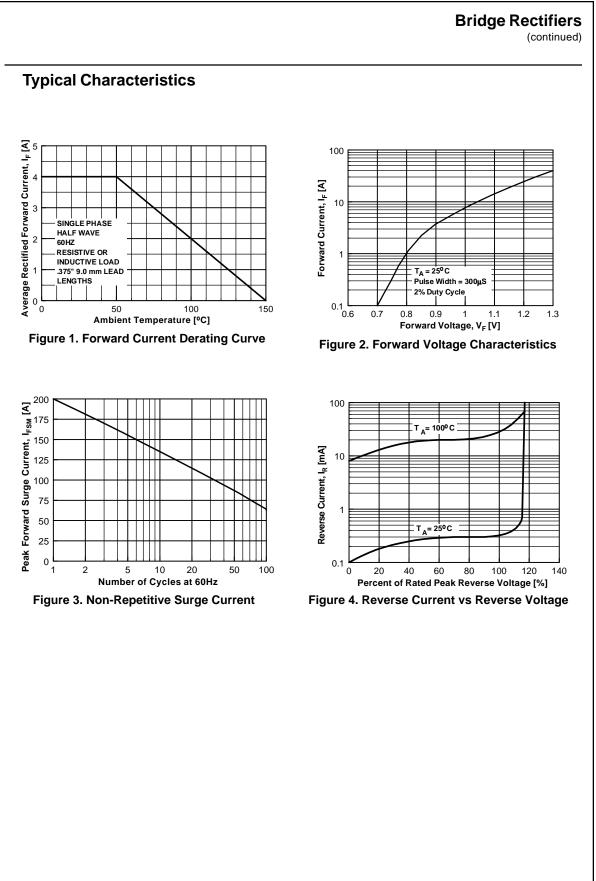
Thermal Characteristics

Symbol	Parameter	Value	Units
P _D	Power Dissipation	6.6	W
R _{eJA}	Thermal Resistance, Junction to Ambient,* per leg	19	°C/W
$R_{ extsf{ heta}JL}$	Thermal Resistance, Junction to Lead,* per leg	4.0	°C/W

*Device mounted on PCB with 0.375 " (9.5 mm) lead length and 0.5×0.5 " (13 x 13 mm) copper pads.

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Device	Units
V _F	Forward Voltage, per bridge @ 4.0 A	1.0	V
I _R	Reverse Current, total bridge @ rated V _R $T_A = 25^{\circ}C$ $T_A = 100^{\circ}C$	5.0 500	μΑ μΑ



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KBU4A-KBU4M, Rev. C

KBU4A - KBU4M

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