

Possible Replacement GBU4A~GBU4M



Micro Commercial Components

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KBU4A THRU KBU4M

4 Amp Single Phase Bridge Rectifier 50 to 1000 Volts

Features

- Low Leakage and Low Forward Voltage
- Silver Plated Copper Leads
- Any Mounting Position
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Lead Free Finish/RoHS Compliant (NOTE 1) ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

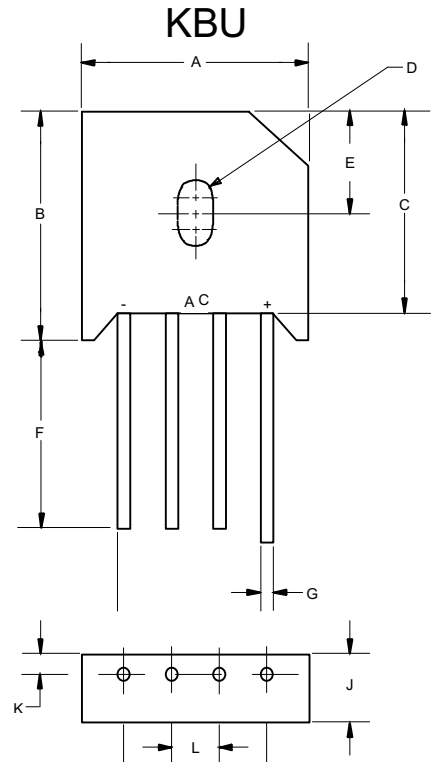
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

Microsemi Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBU4A	KBU4A	50V	35V	50V
KBU4B	KBU4B	100V	70V	100V
KBU4D	KBU4D	200V	140V	200V
KBU4G	KBU4G	400V	280V	400V
KBU4J	KBU4J	600V	420V	600V
KBU4K	KBU4K	800V	560V	800V
KBU4M	KBU4M	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	4 A	$T_C = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	150A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.0V	$I_{FM} = 2.0A$; $T_J = 25^\circ\text{C}$ (Note 2)
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10μA 100mA	$T_A = 25^\circ\text{C}$ $T_C = 100^\circ\text{C}$

- Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7
2. Pulse Test: Pulse Width 300usec, Duty Cycle 1%



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.895	.935	22.7	23.7	
B	.600	.700	16.8	17.8	
C	.740	.780	18.8	19.8	NOM
D	.15 \varnothing x .23L		3.8 \varnothing x 5.7L		HOLE
E	---	.300	---	7.5	NOM
F	.100	---	25.4	---	
G	.048	.052	1.2	1.3	
J	.268	.280	6.8	7.1	
K	---	.140	---	5.3	NOM
L	.180	.220	4.6	5.6	3PL

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KBU4A thru KBU4M

Figure 1
Typical Forward Characteristics

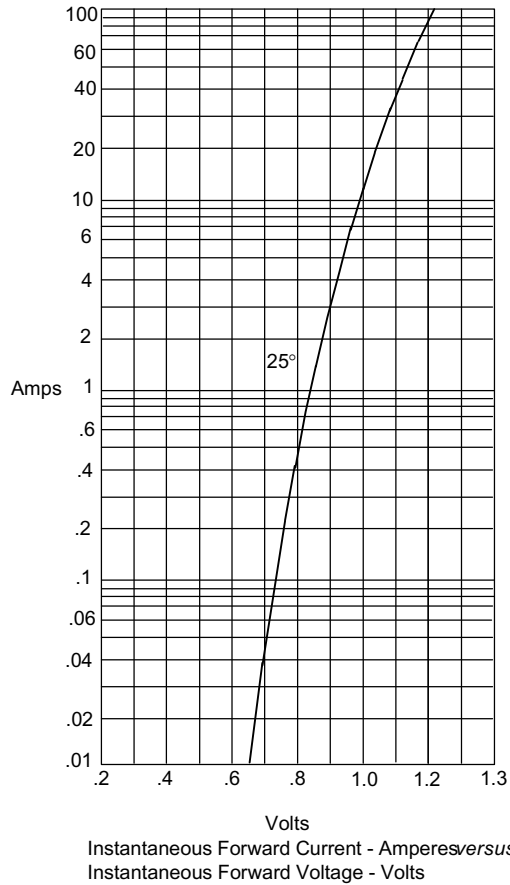


Figure 2
Typical Reverse Characteristics

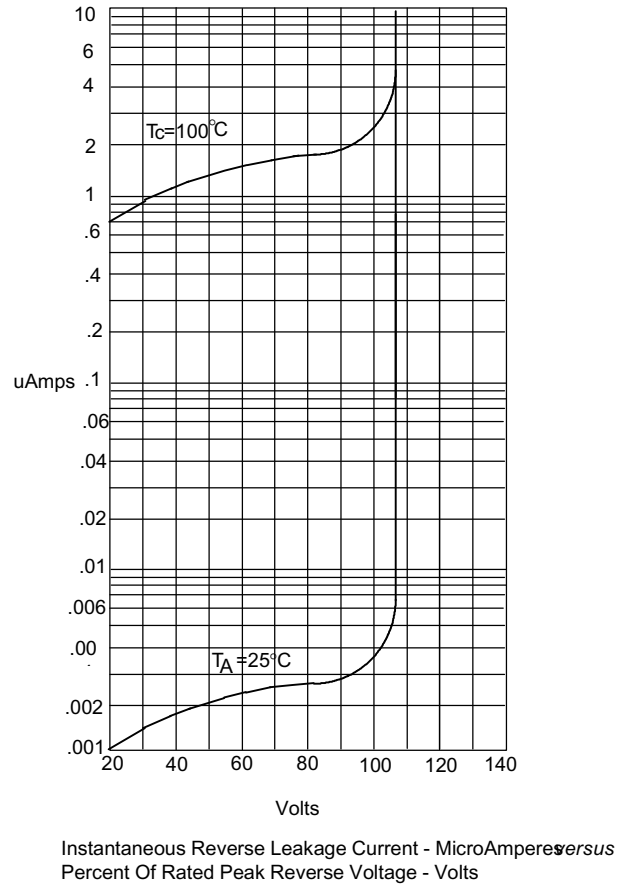
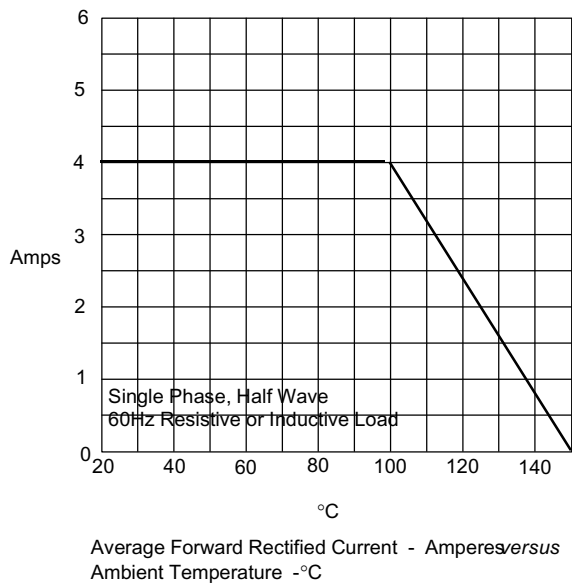


Figure 3
Forward Derating Curve



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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;15pcs/Tube

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