

## KBP3005-310

### 3 Amp Bridge Rectifier 50 to 1000 Volts

#### Features

- Surge overload ratings 80 amperes peak
- Ideal for printed circuit board
- RoHS compliant package

Package type : KBP

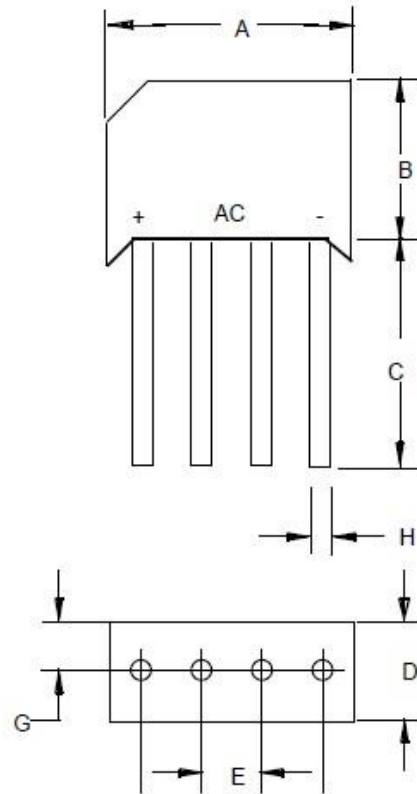
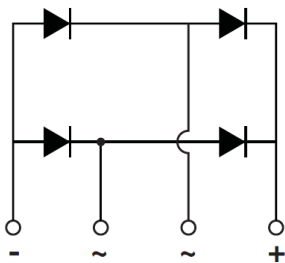
#### Packing & Order Information

500/Box



**RoHS  
COMPLIANT**

Graphic symbol



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	.693	---	17.60	
B	---	.504	---	12.80	
C	.750	---	19.00	---	
D	---	.250	---	6.40	
E	.150	---	3.80	---	3PL/TYP
G	.125	---	3.20	---	
H	.320		0.80		

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

### Maximum Ratings

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBP3005	KBP3005	50V	35V	50V
KBP301	KBP301	100V	70V	100V
KBP302	KBP302	200V	140V	200V
KBP304	KBP304	400V	280V	400V
KBP306	KBP306	600V	420V	600V
KBP308	KBP308	800V	560V	800V
KBP310	KBP310	1000V	700V	1000V

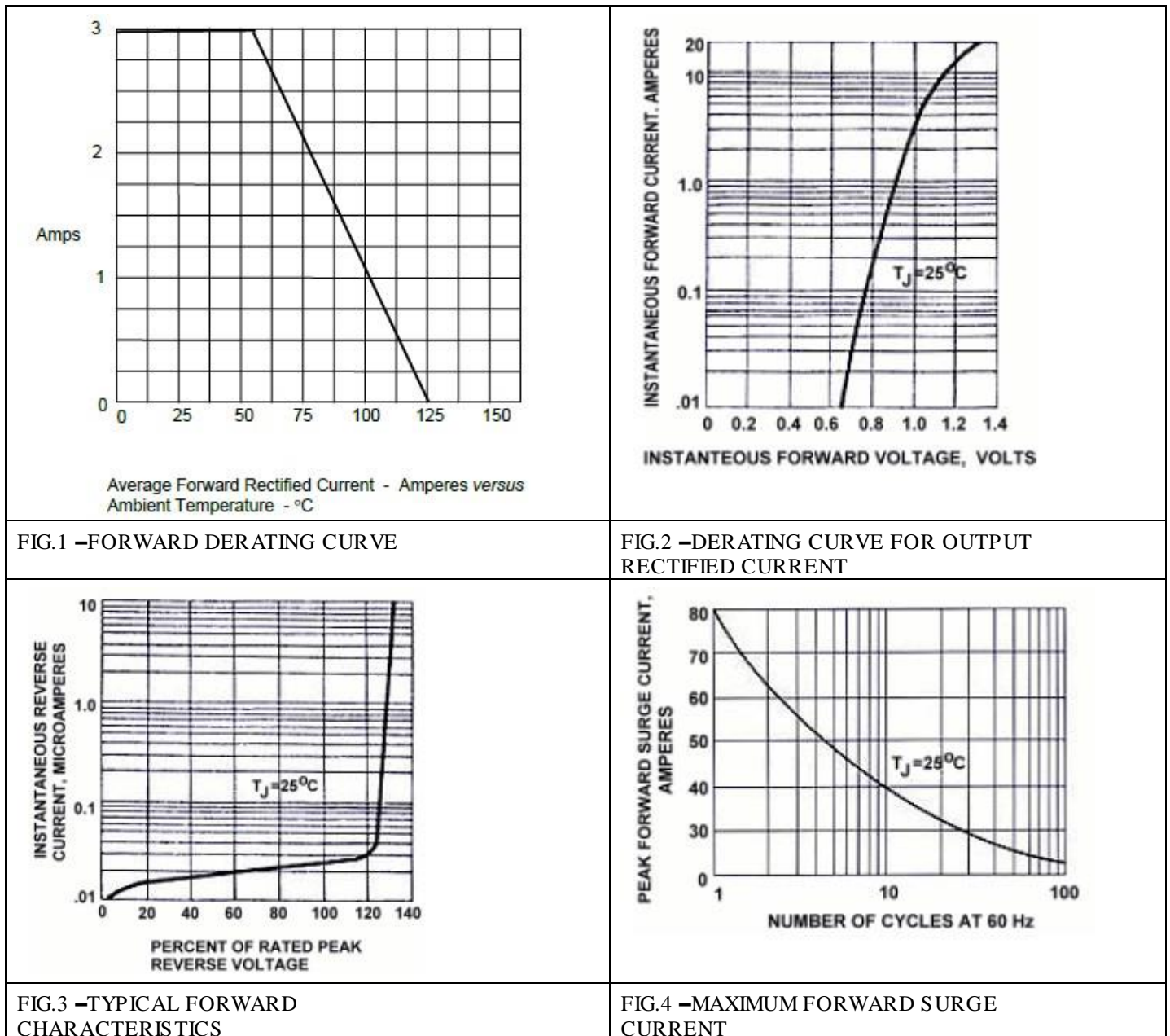
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#### Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Test Conditions	Unit
IF(AV)	Average Forward Current	TA = 25°C	3.0A
IFSM	Peak Forward Surge Current	8.3ms, half sine	80A
VF	Maximum Forward Voltage Drop Per Element	IFM = 1.0A per element TA = 25°C	1.1V
IR	Maximum DC Reverse Current At Rated DC Blocking Voltage	TJ = 25°C TJ = 100°C	10µA

#### ■ RATINGS AND CHARACTERISTIC CURVES



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#### Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE

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