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Features

- Lead Free Finish/RoHS Compliant (NOTE 1)("P" Suffix designates RoHS Compliant. See ordering information)
- High surge forward current capability
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Mounting Torque: 0.5 N•m
- UL Recognized File # E165989

MCC	Device	Maximum	Maximum	Maximum
Catalog	Marking	Reccurrent	RMS	DC
Number		Peak Reverse	Voltage	Blocking
		Voltage		Voltage
UD3KB05	UD3KB05	50V	35V	50V
UD3KB10	UD3KB10	100V	70V	100V
UD3KB20	UD3KB20	200V	140V	200V
UD3KB40	UD3KB40	400V	280V	400V
UD3KB60	UD3KB60	600V	420V	600V
UD3KB80	UD3KB80	800V	560V	800V
UD3KB100	UD3KB100	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

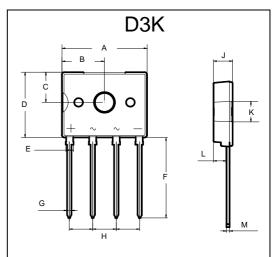
Average Forward Current	I _{F(AV)}	3.0 A	Tc = 140°C
Peak Forward Surge Current	I _{FSM}	90A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V _F	1.05V	I _{FM} = 1.5A T _J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10 µ A	Ta = 25°C
I ² t Rating for fusing	l ² t	35A ² S	(1ms< t<8.3ms)
Thermal Resistance	R _{thJA} R _{thJC}	55°C/W 1.5°C/W	

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

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UD3KB05 THRU UD3KB100

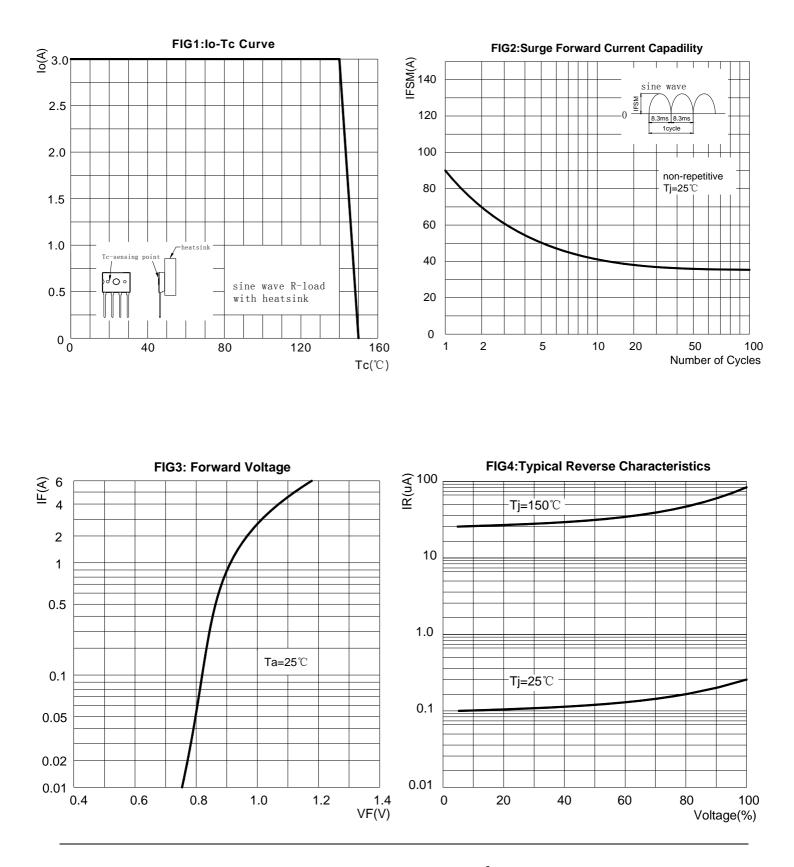
3 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts



DIMENSIONS							
	INCHES		MM				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.524	.563	13.30	14.30			
В	.252	.291	6.40	7.40			
С	.177	.217	4.50	5.50			
D	.406	.445	10.30	11.30			
E	.041	.057	1.05	1.45			
F	.516	.531	13.10	13.50			
G	.024	.033	0.60	0.85			
Н	.146	.154	3.70	3.90			
J	.102	.142	2.60	3.60			
K	.122	.134	3.10	3.40			
L	.079	.087	2.00	2.20			
М	.016	.024	0.40	0.60			



Characteristics(Typical)



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Revision: A

2 of 3



Ordering Information :

Device	Packing
Part Number-BP	Bulk: 1.5Kpcs/Box

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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