

DATE SHEET

D3K

D3KB05 ~D3KB100

3A/50-1000V

3A

3A Glass Passivated Single-Phase Bridge Rectifier

Features

Glass passivated chip

Low Reverse Leakage Current



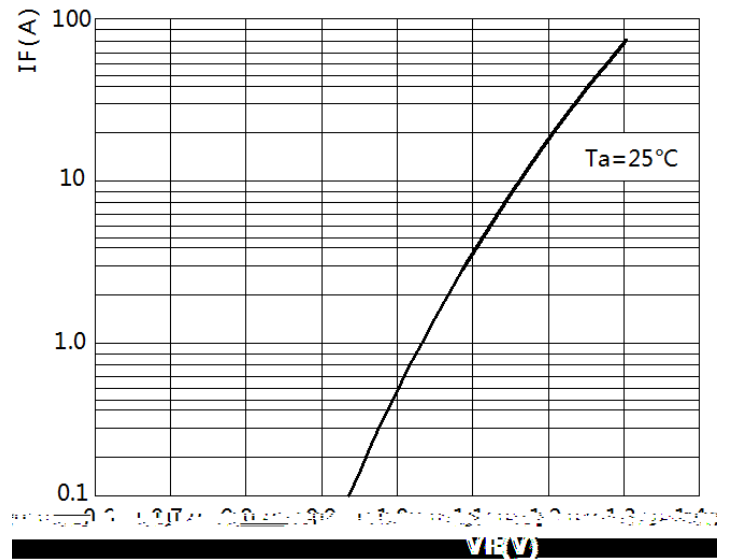
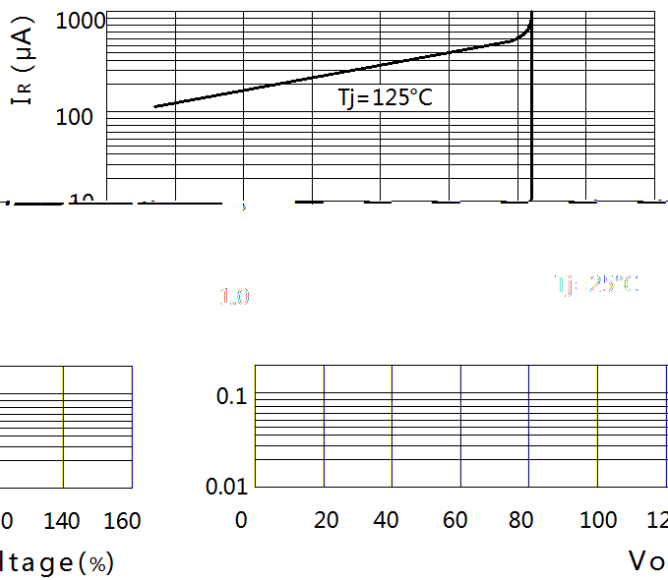
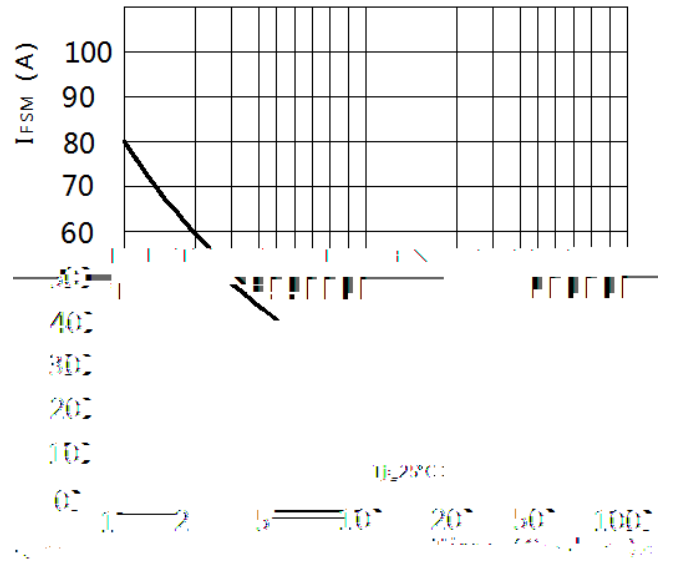
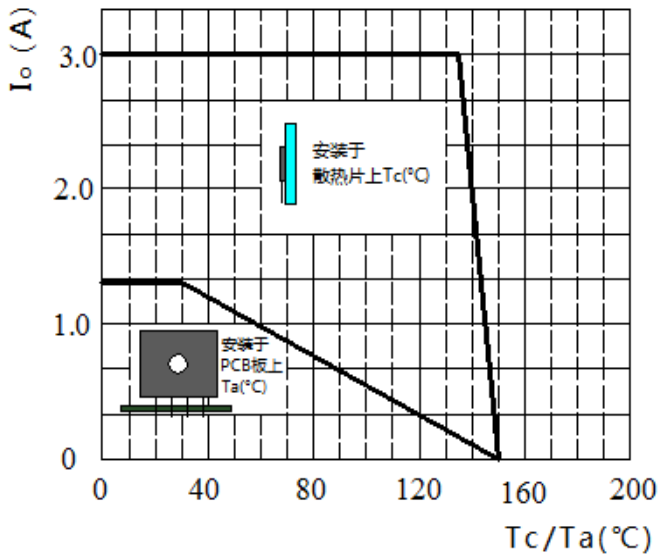
Type	VRRM	VRSM
D3KB05	50	150
D3KB10	100	200
D3KB20	200	300
D3KB40	400	500
D3KB60	600	700
D3KB80	800	900
D3KB100	1000	1100

Maximum Ratings and Thermal Characteristics @ Ta = 25 unless otherwise noted

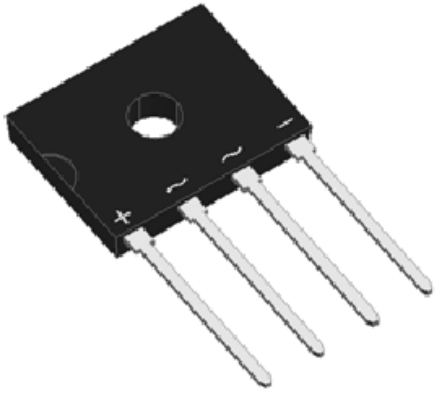
Item	Symbol	Conditions	Rated value	Unit
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Average Rectified Output Current	I_o	60Hz ,		
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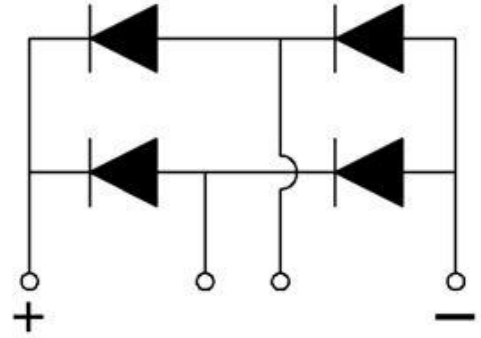
Rating Characteristic



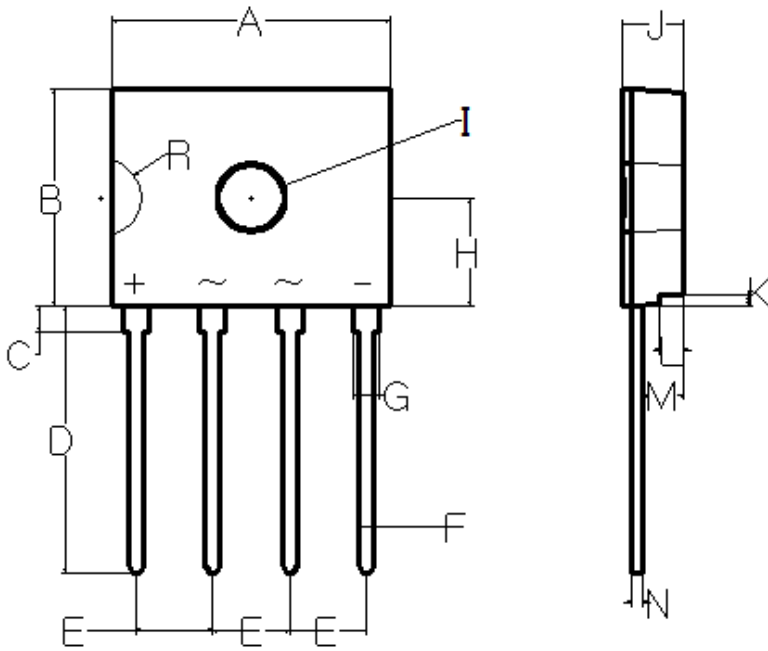
Outside view



Circuit diagram



Package Outline Dimensions

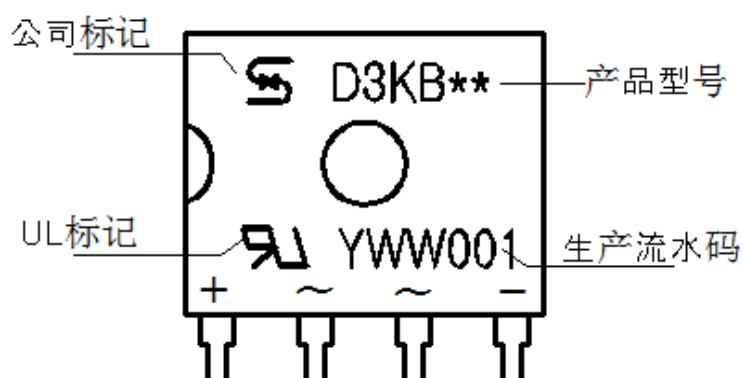


No.	Unit(mm)		Unit(inch)	
	Min	Max	Min	Max
A	13.3	14.3	0.523	0.563
B	10.3	11.3	0.405	0.445
C	1.2	1.4	0.047	0.055
D	12.8	13.8	0.504	0.544
E	3.76	3.86	0.130	0.170
F	0.63	0.83	0.025	0.033
G	1.2	1.4	0.047	0.055
H	5.2	5.6	0.205	0.221
I	3.05	3.45	0.120	0.136
J	2.9	3.3	0.114	0.130
K	0.5	0.7	0.020	0.028
L	1.0	1.4	0.039	0.055
M	1.9	2.3	0.075	0.091
N	0.4	0.6	0.016	0.024

Bill of Materials

No.		QTY	Material
1		4	
2		1	
3		4	
4		1.2g	
5		0.02g	=90%:8%:2%

/ Component molding /Marking Diagram



1. $V_{RRM} = \frac{D \cdot K B}{3} \cdot I_o = *1 **$
2. Y A 2009 WW 05 5 ,

Packaging and storage

1.

	5000 /	300*220*180	500 /	288*103*28
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2.

25 ±3 60 6

100 2-4h

Attention

1

M3*10~15mm

3 4~ 6

3 5.0~ 8.0

M3*10~15mm

2.

<0.2mm

3.

0.10-0.30mm

4.

8.0kgf.cm
600r/min;

5.

90° 180

6.

6.1

1)PCB 80-120 80-130 3 / ;
2) 245 5 / 260 5

98%

6.2

350 380
2-3

7.

8.

1			1.0		2017.3.6

2