

**/ Descriptions**

SOD-123FL  
Silicon Bidirectional Trigger Diodes SOD-123FL thin package

**/ Features**

Use in thyristor phase control,circuits for lamp-dimming,universal-motor speed controls,and heat controls.Halogen free product

**/ Applications**

General purpose.

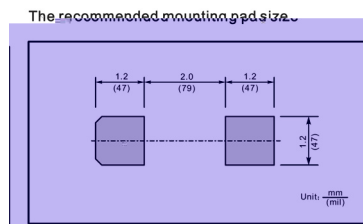
**/ Equivalent Circuit**



**/ Pinning**



PIN	DESCRIPTION
1	Cathode
2	Anode



**/ Marking**

See Marking Instructions.

# DB3W/DC34W/DB4W

Rev.B Nov.-2018



DATA SHEET

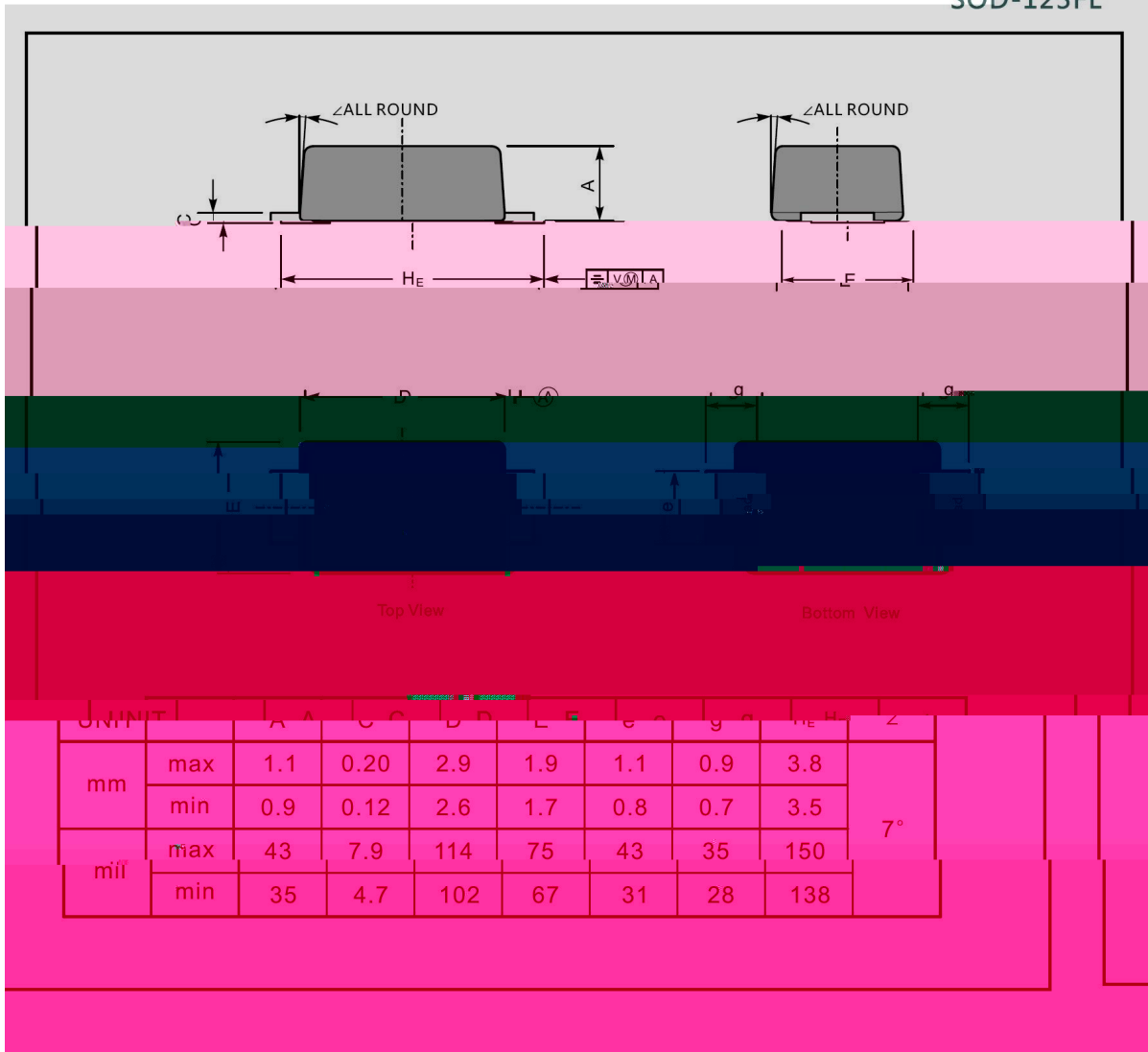
Parameter	Symbol	Rating	Unit
Power Dissipation $T_C=100$	$P_{tot}$	150	mW
Repetitive Peak On-state Current $t_p=20\mu s$ $f=100\text{Hz}$	$I_{TRM}$	2	A
Operating Junction and Storage Temperature Range	$T_j$ $T_{stg}$	-40 to +125	

Parameter	Symbol	Test Conditions	Min	Max	Unit	
Breakover Voltage	$V_{BO}$	C=22nF see diagram 1	DB3W	28	36	V
			DC34W	30	38	V

**DB3W/DC34W/DB4W**  
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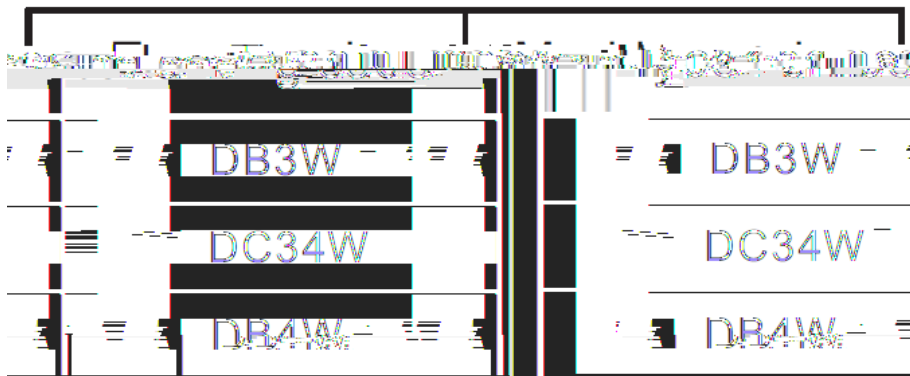
/ Package Dimensions

SOD-123FL

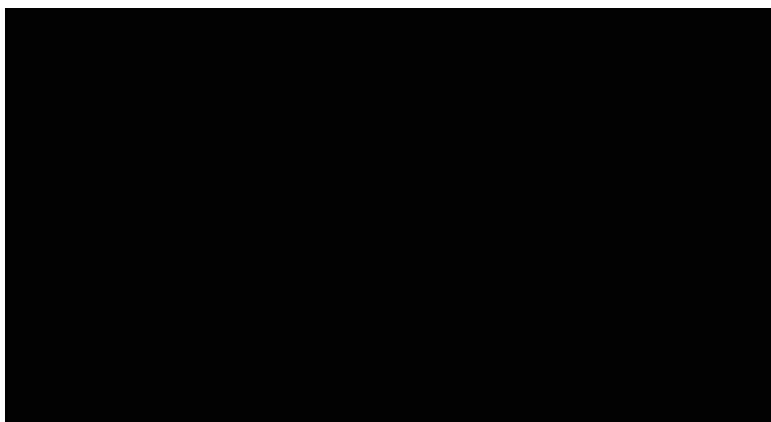


/ Marking Instructions

# Marking



/ Marking Instructions



DB3W

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1

3

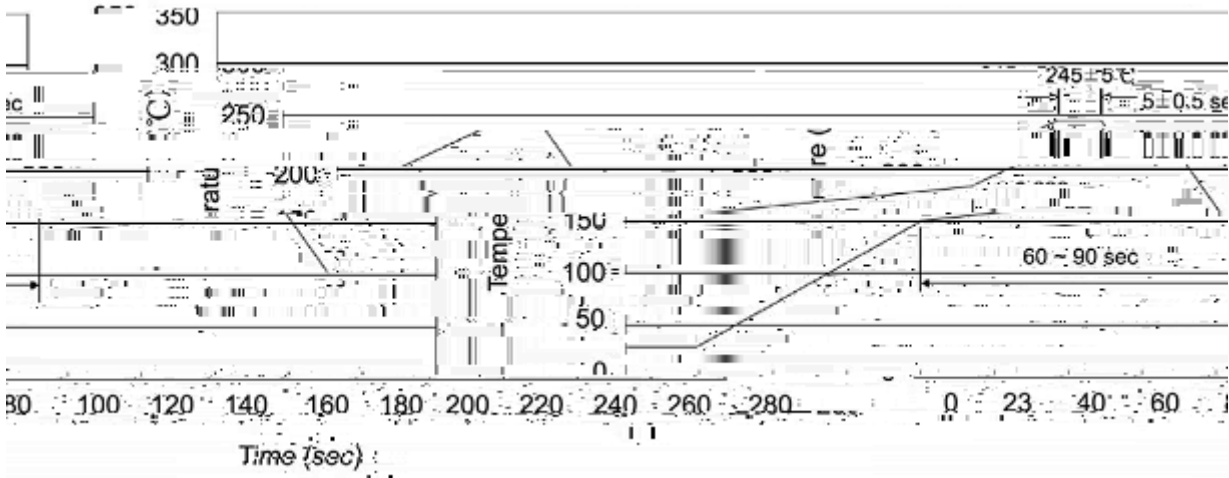
Note:

DB3W Product Type Code

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Lot No. Code The 1st "\*" means:YM Code The last 3 "\*" means:little Lot  
No Code

( ) /



Note:

- |   |       |     |       |        |   |
|---|-------|-----|-------|--------|---|
| 1 | 25    | 150 | 60    | 90sec; | 1.Preheating:25~150 , Time:60~90sec.    |
| 2 | 245±5 |     | 5±0.5 | sec;   | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 |       | 2   | 10    | /sec.  | 3. Cooling Speed: 2~10 /sec.            |

/ Resistance to Soldering Heat Test Conditions

260±5                      10±1 sec.                      Temp.:260±5                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOD-123FL	3000	8	24000	5	120000	7 x11	185X180X105	390X385X205

/ Notices