

/ 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.

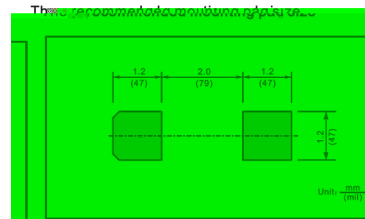
/ Equivalent Circuit



/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode



/ Marking

See Marking Instructions.

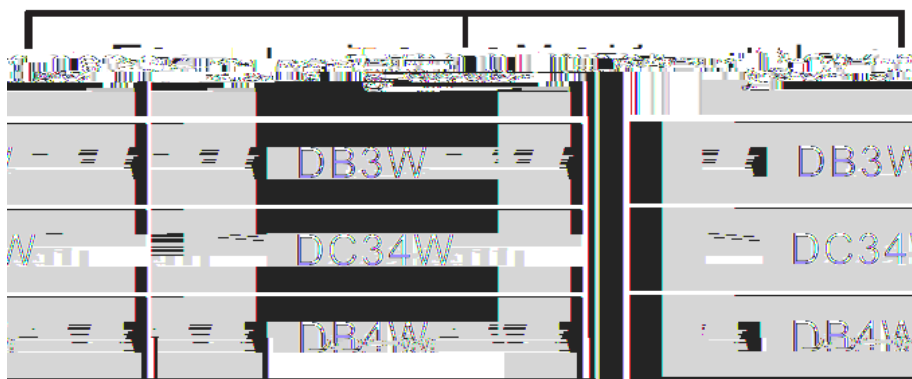
Parameter	Symbol	Rating	Unit
Power Dissipation $T_C=100$	P_{tot}	150	mW
Repetitive Peak On-state Current $t_p=20\mu s$ $f=100\text{Hz}$	I_{TRM}	2	A
Operating Junction and Storage Temperature Range	T_j T_{stg}	-40 to +125	

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

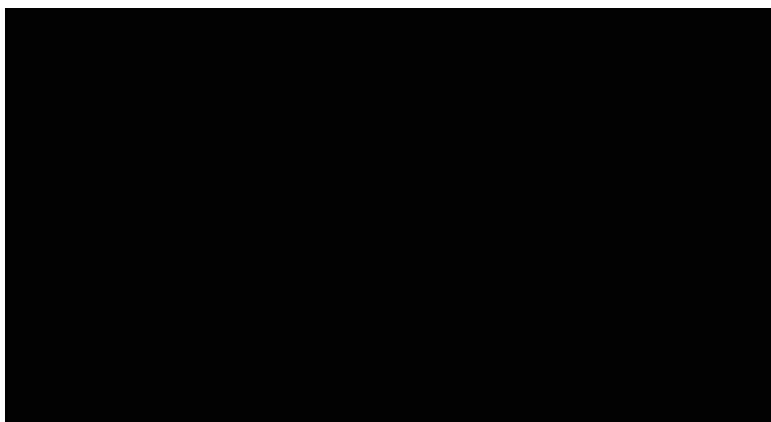
DB3W/DC34W/DB4W
Rev.B Nov.-2018

/ Marking Instructions

Marking



/ Marking Instructions



DB3W

1 *

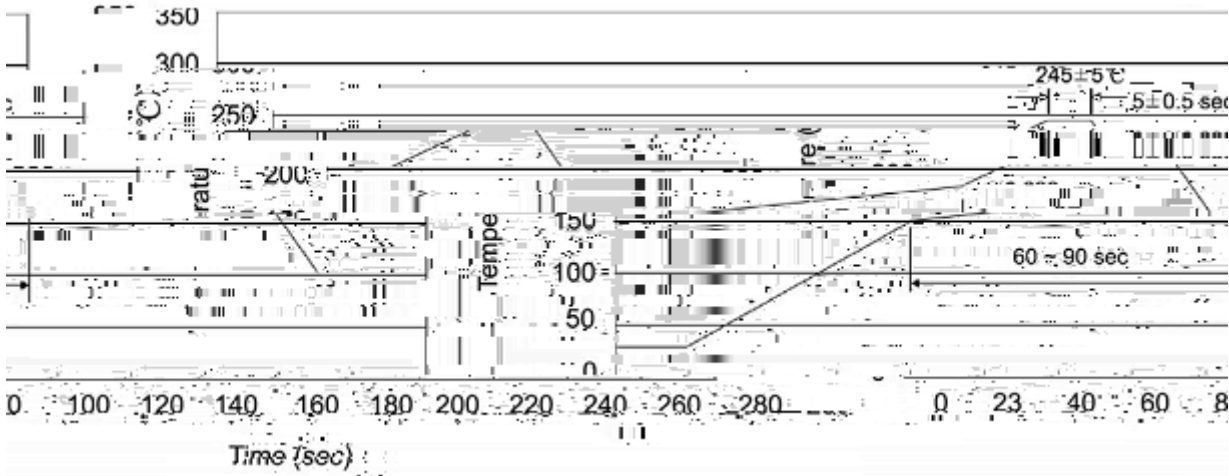
3 *

Note:

DB3W Product Type Code

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

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



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 ³)		
	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