1 Scope

The present specifications shall apply to Sanken silicon diode, RM4Z.

2 Outline

Туре	Silicon Rectifier Diode (Mesa type)			
Structure	Resin Molded Flammability: UL94V-0 (Equivalent)			
Applications	Pulse Rectification, etc			

3 Absolute maximum ratings

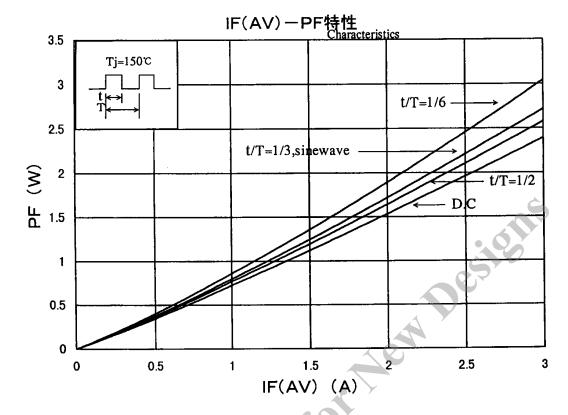
No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V _{RSM}	V	250	
2	Peak Reverse Voltage	V_{RM}	V	200	
3	Average Forward Current	I _{F(AV)}	A	3.0	Refer to derating curve in Section 5
4	Peak Surge Forward Current	I_{FSM}	A	200	
5	Junction Temperature	T _j	°C	-40 to +150	
6	Storage Temperature	T_{stg}	°C	-40 to +150	

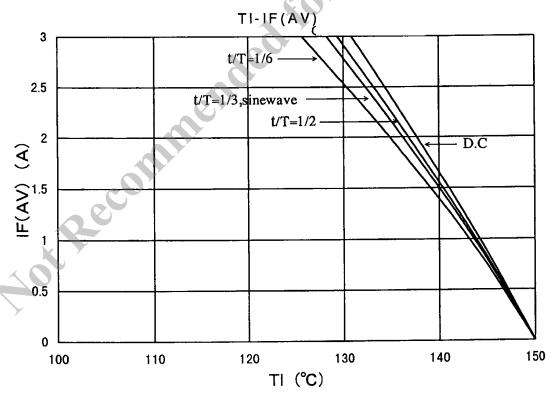
4 Electrical characteristics (Ta=25°C, unless otherwise specified)

No.	Item	Symbol	Unit	Rating	Conditions
1	Forward Voltage Drop	$V_{\rm F}$	V	0.95 max.	I _F =3.0A
2	Reverse Leakage Current	I_R	μΑ	10 max.	$V_R = V_{RM}$
3	Reverse Leakage Current Under High Temperature	$H \cdot I_R$	μΑ	50 max.	$V_R=V_{RM}$, $T_j=100$ °C
4	Thermal Resistance	R _{th(j-l)}	°C/W	8.0 max.	Between Junction and Lead

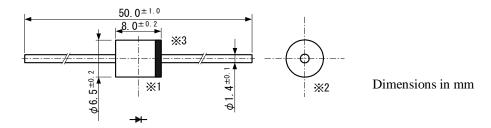
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- 6 Dimensions, inner structure and marking
 - 6-1 Dimensions refer

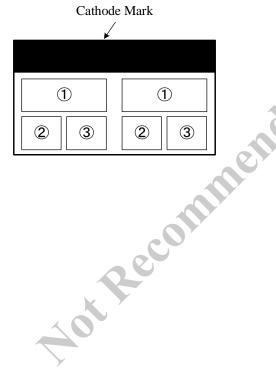


- *1 The allowance position of body against the center of whole lead wire is 0.5mm (max.)
- *2 The centric allowance of lead wire against center of physical body is 0.3mm (max.)
- *3 The burr may exist up to 2mm from the body of lead.

6-2Appearance

The body shall be clean and shall not bear any stain, rust or flaw. The color of the case will be black.

6-3 Marking



- ① Type number RM4Z
- ②Lot number 1

First digit: Last digit of Year

Second digit: Month

From 1 to 9 for Jan. to Sep.

O for Oct., N for Nov., and D for Dec.

- 3 Lot number 2 (ten days)
 - Top of the month
 - · · Middle of month
 - · · · End of month

The color of marking must be red