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#### 1 Scope

The present specifications shall apply to Sanken silicon diode, RM10Z.

### 2 Outline

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

### 3 Absolute maximum ratings

No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V <sub>RSM</sub>	V	250	<b>Q</b>
2	Peak Reverse Voltage	V <sub>RM</sub>	V	200	
3	Average Forward Current	$I_{F(AV)}$	А	1.5	Refer to derating curve in Section 6
4	Peak Surge Forward Current	I <sub>FSM</sub>	А	120	10ms. Half sine wave, one shot
5	Junction Temperature	$T_j$	°C	-40 to +150	
6	Storage Temperature	T <sub>stg</sub>	<b>3</b> °	-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	0.91 max.	I <sub>F</sub> =1.5A
2	Reverse Leakage Current	I <sub>R</sub>	μΑ	10 max.	V <sub>R</sub> =V <sub>RM</sub>
3	Reverse Leakage Current Under High Temperature	$H \cdot I_R$	μΑ	50 max.	$V_R = V_{RM}, T_j = 100^{\circ}C$
4	Thermal Resistance	R <sub>th(j-l)</sub>	°C/W	15 max.	Between Junction and Lead



# 7 Package information

7-1 Package type, physical dimensions and material

