# 1. Scope

The present specifications shall apply to Sanken silicon rectifier diode, AM01.

## 2. Outline

Туре	Silicon Rectifier Diode (Mesa Type)
Structure	Resin Molded
Applications	Commercial Frequency Rectification, etc.

#### 3. Flammability

UL94V-0 (equipment)

#### 4. Absolute maximum ratings

No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V <sub>RSM</sub>	V	450	
2	Peak Reverse Voltage	V <sub>RM</sub>	V	400	
3	Average Forward Current	$I_{F(AV)}$	А	1.0	Refer to Derating of 6
4	Peak Surge Forward Current	I <sub>FSM</sub>	А	35	10ms. Sine wave, one shot
5	Junction Temperature	$T_j$	°C	-40 to +150	
6	Storage Temperature	T <sub>stg</sub>	°C	-40 to +150	

### 5. Electrical characteristics

No.	Item	Symbol	Unit	Value	Conditions
1	Forward Voltage Drop	$V_{\rm F}$	V	0.98 max.	$I_F = 1.0A$
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	HI <sub>R</sub>	μΑ	50 max.	V <sub>R</sub> =V <sub>RM</sub> , Ta=100°C
4	Thermal Resistance	θj-1	°C /W	22	Between Junction and Lead



