

1. Scope

The present specifications shall apply to an EU01.

2. Outline

Type	Silicon Diode (Mesa Type)
Structure	Resin Molded Flammability:UL94-V0(Equivalent)
Applications	High Frequency Rectification, etc.

3. Absolute maximum ratings

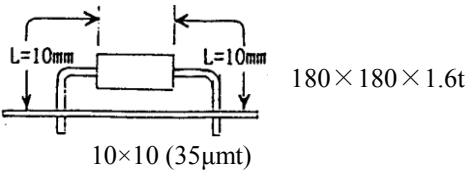
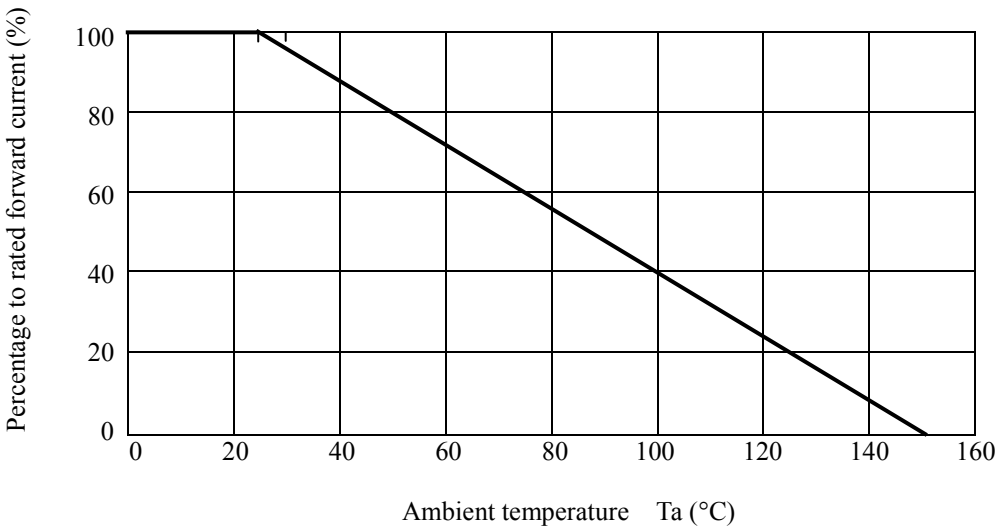
No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V_{RSM}	V	450	
2	Peak Reverse Voltage	V_{RM}	V	400	
3	Average Forward Current	$I_{F(AV)}$	A	0.25	Refer to 5
4	Peak Surge Forward Current	I_{FSM}	A	15	
5	Junction Temperature	T_j	°C	-40~+150	
6	Storage Temperature	T_{stg}	°C	-40~+150	

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

No.	Item	Symbol	Unit	Value	Conditions
1	Forward Voltage Drop	V_F	V	2.5 max.	$I_F=0.25A$
2	Reverse Leakage Current	I_R	μA	10 max.	$V_R=V_{RM}$
3	Reverse Leakage Current Under High Temperature	$H \cdot I_R$	μA	150 max.	$V_R=V_{RM}$, Ta=100°C
4	Reverse Recovery Time	trr-1	μs	0.4 max.	$I_F=I_{RP}=10mA$, Ta=25°C 90% Recovery point
		trr-2	μs	0.18 max.	$I_F=10mA$, $I_{RP}=20mA$, Ta=25°C 75% Recovery point
5	Thermal Resistance	θ_{j-l}	°C /W	20 max.	Between Junction and Lead

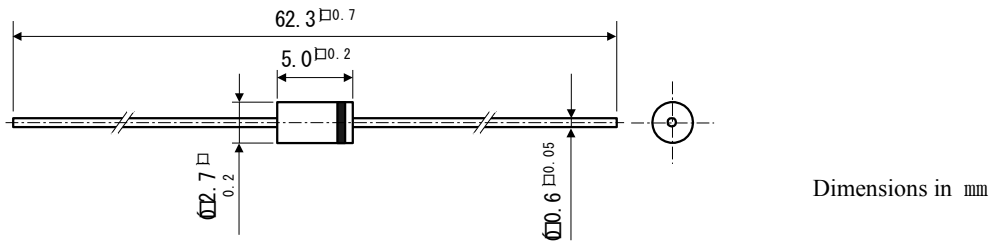
5. Derating

Derating to the ambient temperature.
Power loss generated by voltage is not taken into consideration.



6. Package information

6.1 Package type, physical dimensions and material

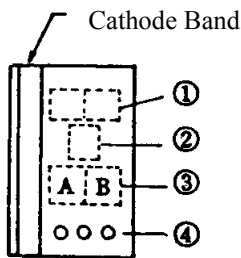


- *1 The allowance position of Body against the center of whole lead wire is 0.5mm(max.)
- *2 The centric allowance of lead wire against center of physical body is 0.2mm(max.)
- *3 The burr may exit up to 2mm from the body of lead

6.2 Appearance

The body shall be clean and shall not bear any stain, rust or flaw.

6.3 Marking



- ① Type number U0 as abbreviated of EU01
- ② Class number Noshing : 400V type
- ③ Lot number
 - A : Last digit of calendar year
 - B : Month (From 1 to 9 for Jan. to Sep. O for Oct. N for Nov. D for Dec.)
- ④ Ten days (• first ten days, • • second ten days,...third ten days)