1. Scope

The present specifications shall apply to an EU01Z.

2. Outline

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

3. Absolute maximum ratings

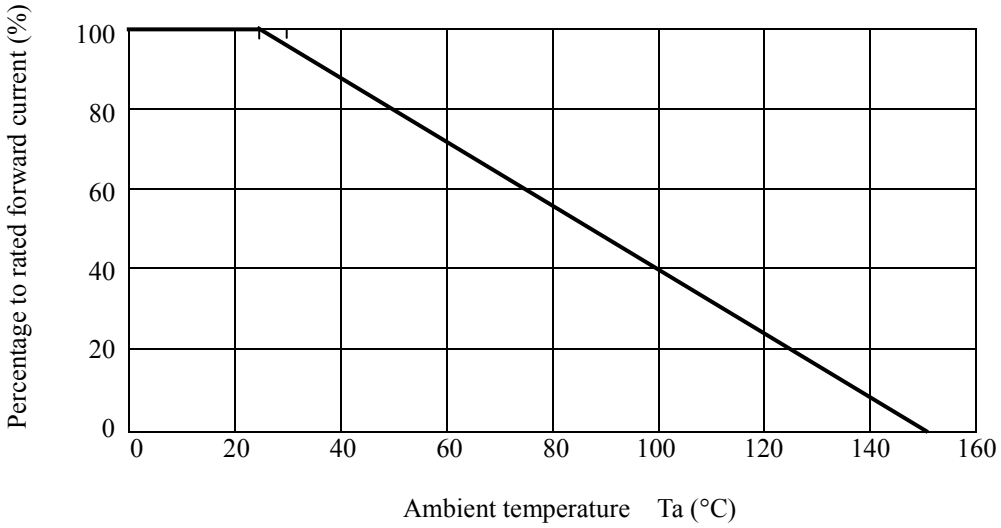
No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V_{RSM}	V	250	
2	Peak Reverse Voltage	V_{RM}	V	200	
3	Average Forward Current	$I_{F(AV)}$	A	0.25	Refer to 5
4	Peak Surge Forward Current	I_{FSM}	A	15	Sinewave10ms. One Shot
5	Junction Temperature	T_j	°C	-40~+150	
6	Storage Temperature	T_{stg}	°C	-40~+150	

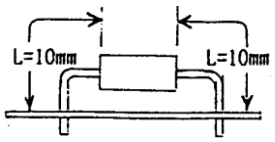
4. Electrical characteristics (Ta=25°C, unless otherwise specified)

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・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	θj-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.



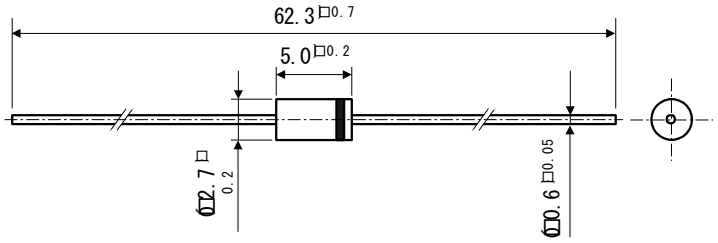


180×180×1.6t

10×10 (35μmt)

6. Package information

6-1 Package type, physical dimensions and material



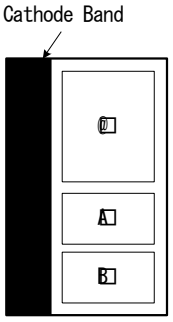
Dimensions in mm

*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 Z : 200V 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.)
④Ten days (・first ten days,・・second ten days,…third ten days)