

1. PRODUCT Zener diode (Silicon Epitaxial Planer)
2. TYPE VMZ6.8N
3. APPLICATION Voltage regulation(Common anode)
4. FEATURE Ultra small mold type (VMD3)
High reliability

5. ABSOLUTE MAXIMUM RATING (Ta=25°C)

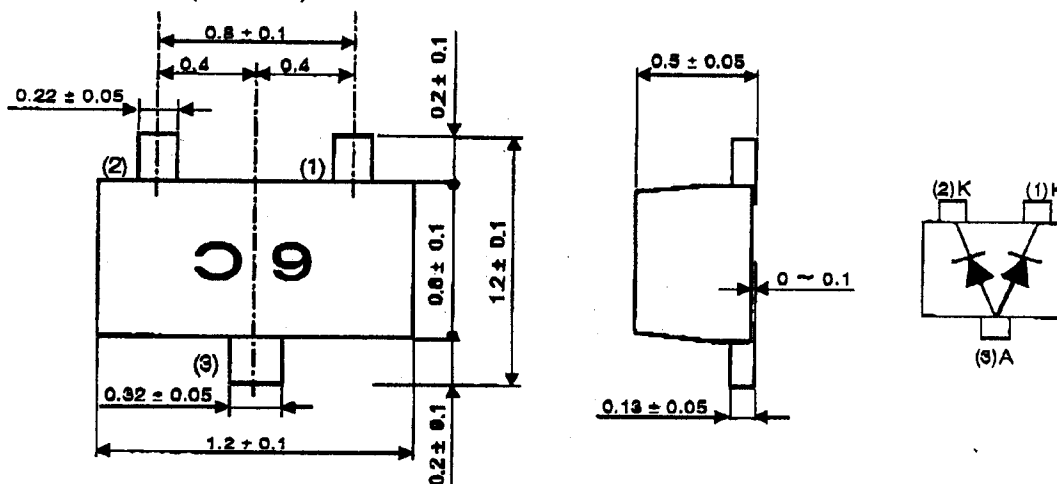
Power dissipation	(*)P	150 mW
Junction temperature	Tj	150 °C
Storage temperature	Tstg	-55~150 °C
[(*)Total two elements]		

6. ELECTRICAL CHARACTERISTIC (Ta=25°C) * Rating of per diode

Characteristic	Symbol	Test condition	Standard	
			MIN.	MAX.
Zener Voltage	Vz	Iz= 5 mA	6.470 V	7.140 V
Reverse current	IR	VR= 3.5 V	-	0.5 μA
Junction Capacitance	Ct	f= 1MHz VR= 5 V	9pF	TYP.

* Zener voltage (Vz) shall be measured at 40ms after loading current.

7. DIMENSION (UNIT:mm)



8. Mass per piece 1.3 mg/pcs

DESIGN <i>[Signature]</i>	CHECK <i>[Signature]</i>	APPROVAL <i>[Signature]</i>	DATE: MAR. 21. 2002	SPECIFICATION No. : VMZ 6.8N * ENG
			REV. A	ROHM CO., LTD.

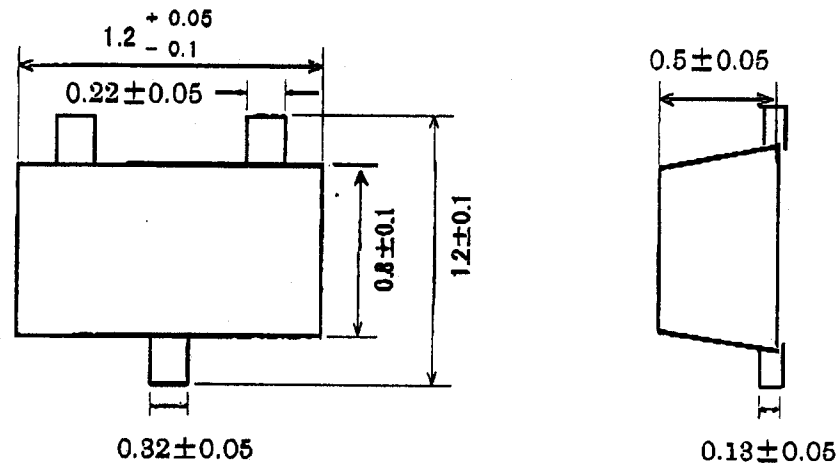
9. Other

Characteristic	IEC-61000-4-2	
Equipment	Charge discharge Capacitance	: 150 pF
Composition	Discharge resistance	: 330 Ω
Criterion	Repeat by 10 times	No erroneous operation
	Contact	: $\pm$ 8 kV
	In air	: $\pm$ 15 kV

1. Scope.

This specification covers the tape packing requirements for VMD3 flatlead package.
For individual diodes the applicable specification shall be refer to.

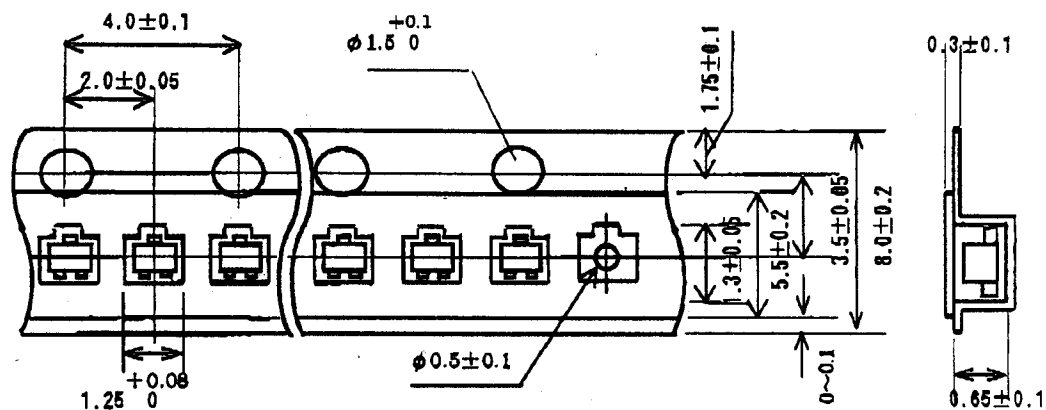
2. Components description.



UNIT:mm

Note) The applicable specification describes in detail for individual diode. This figure is only for reference.

3. Taping dimensions.



UNIT:mm

Note) Feed holes might be cover with the adhesive tape, but nothing will affect for using by that.

DESIGN	CHECK	APPROVAL	DATE: JUN. 7. 2002	SPECIFICATION No. : VMD 3 * T 2 L
<i>Y. Nagai</i>	<i>Suzuki K.</i>	<i>Ezaki</i>	REV. B	ROHM CO., LTD.

4. Taping packing specification.

4.1 Direction of tape winding.

Connection(3) comes to hole side.
The direction shall be one in a reel.

4.2 Cumulative pitch tolerance.

The cumulative pitch tolerance of the mold for producing the carrier tape shall be within $\pm 0.2\text{mm}$ per 10 pitches.

4.3 The minimum radius to bend the carrier tape.

Carrier tape shall be flexible enough to protect from no component and damage under a minimum radius of 30mm. However, it shall be defined only inside of carrier tape.

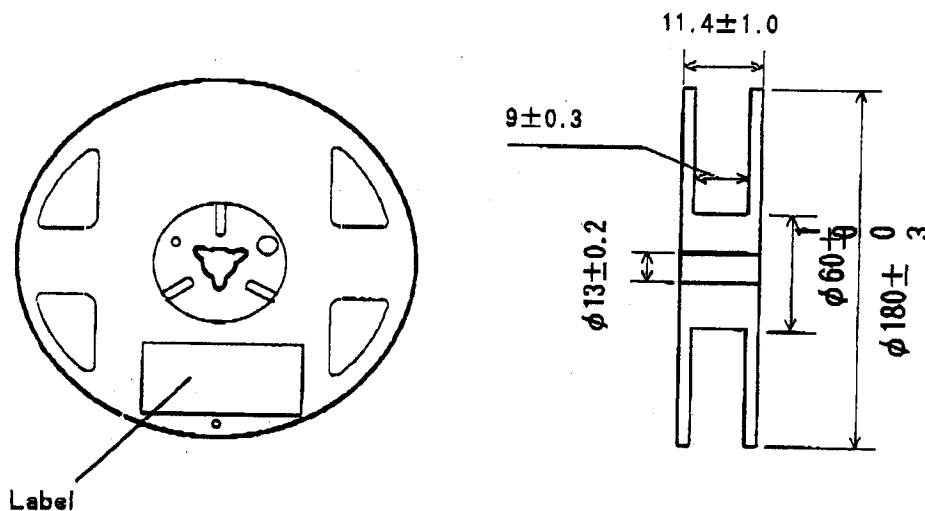
4.4 The material of carrier tape.

PC (Polycarbonate)

4.5 Failure Rate

	Rate of occurrence	Remarks
Continuous missing	0%	Except leader and trail portion
Uncontinuous missing	Max 0.1% / reel	

5. Reel dimensions.

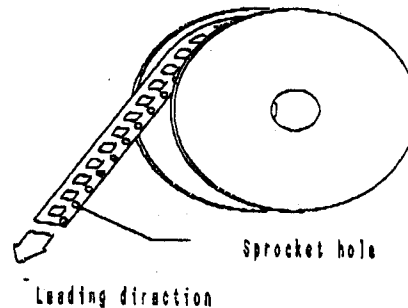


UNIT: mm

6. Reeling specification.

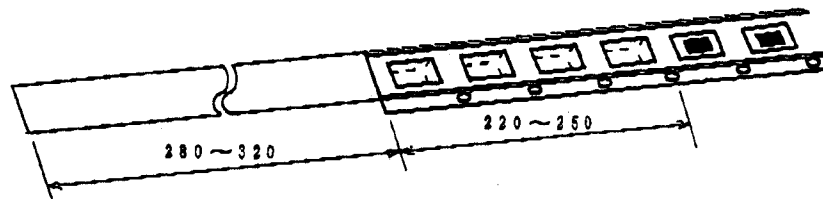
6.1 Leading direction

Leading direction of carrier tape shall be indicated as below.



6.2 Leader.

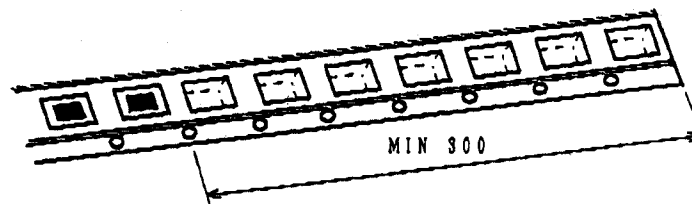
Leader tape shall be separated into two parts - an adhesive tape at first part and carrier tape without products.



UNIT:mm

6.3 Trail.

Trail tape shall remain with no product and trail tape shall not be stuck directly on a reel.



7.Type. Product code of taping shall be composed as indicated below.

EX: D A N 2 2 2 M
Type code

T 2 L
Taping code

8.Quantity Quantity per one package is 8,000pcs.

9.Marking. Each reel shall be legibly marked with the following items.

1. Type
2. Quantity
3. Lot No.
4. Inspector No.
5. Trademark.

* Bar Code is displayed, too.

10. Treatment for end of tape.

The end of leader tape shall be fixed with the white adhesive tape.

