

Zener diode

VMZ6.8N

●Applications

Constant voltage control.

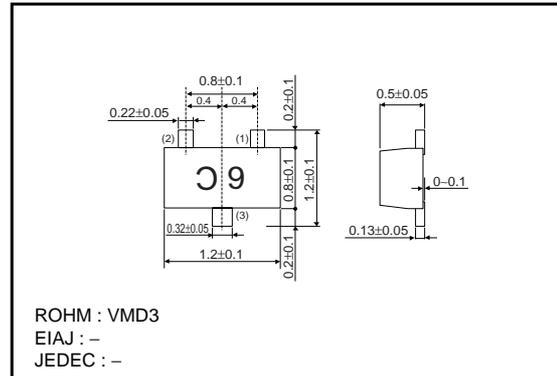
●Features

- 1) Ultra small mold type. (VMD3)
- 2) Composite type with two anode common elements.
- 3) High reliability.

●Construction

Silicon epitaxial planar.

●External dimensions (Units : mm)

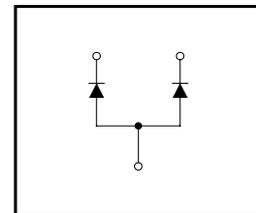


●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation*	P	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55~+150	°C

* Total of 2 elements

●Equivalent circuit



●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _z	6.47	-	7.14	V	I _z =5mA
Reverse current	I _R	-	-	0.5	μA	V _R =3.5V
Capacitance between terminals	C _T	-	9	-	pF	f=1MHz, V _R =5V

●Others

Parameter	IEC61000-4-2
Device configuration	<ul style="list-style-type: none"> • Charge / discharge capacitance : 150pF • Discharge resistance : 330Ω
Judgment contents	<ul style="list-style-type: none"> • 10 repetitions • No malfunction • Contact : ±8kV • Suspended : ±15kV

Diodes

●Electrical characteristic curves (Ta=25°C)

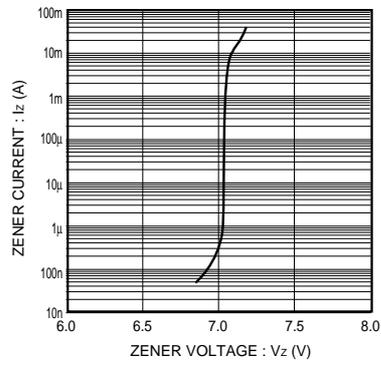


Fig.1 Zener current characteristic

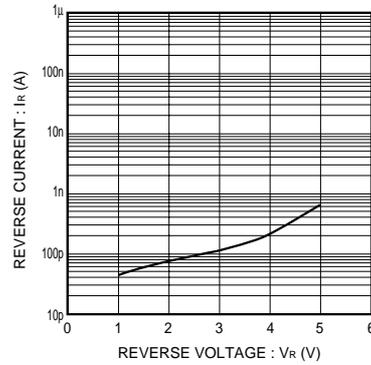


Fig.2 Reverse current characteristics

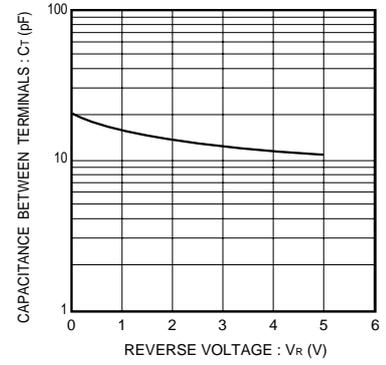


Fig.3 Capacitance between terminals characteristics

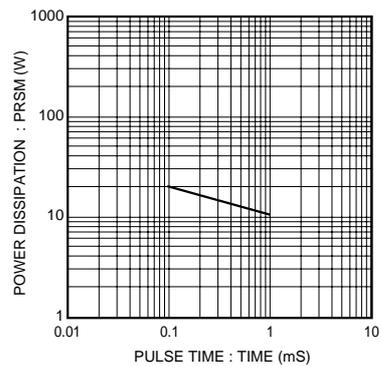


Fig.4 Reverse power dissipation

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