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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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Zener Diode

DZ36082D0L

Panasonic

DZ36082D0L

Silicon epitaxial planar type

For surge absorption circuit

■ Features

- Excellent rising characteristics of zener current Iz
- · Low zener operating resistance Rz
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: 03

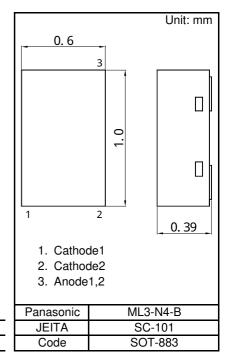
■ Packaging

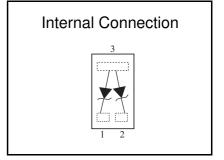
Embossed type (Thermo-compression sealing): 10 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Total power dissipation *1	PT	200	mW
Electrostatic discharge *2	ESD	±10	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

Note) *1: PT = 200 mW achieved with a printed circuit board. (2 Diode total)





■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 10 mA			1.0	V
Zener voltage *1, *2	VZ	IZ = 5 mA	7.79		8.61	V
Zener operating resistance	RZ	IZ = 5 mA			30	Ω
Zener rise operating resistance	RZK	IZ = 0.5 mA			60	Ω
Reverse current	IR	VR = 5 V			0.1	μΑ
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		4.8		mV/°C

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

- *1: The temperature must be controlled 25°C for VZ mesurement.
 VZ value measured at other temperature must be adjusted to VZ (25°C)
 - *2: VZ guaranted 20 ms after current flow.
 - *3: Tj = 25°C to 150°C

: 2013-11-01

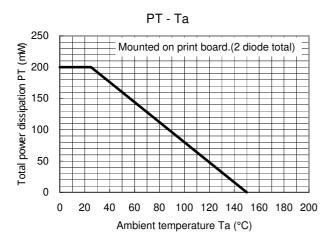
Established: 2012-04-02

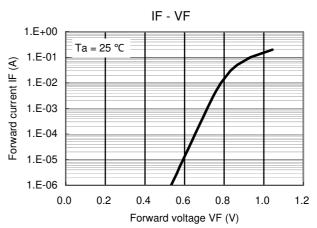
Revised

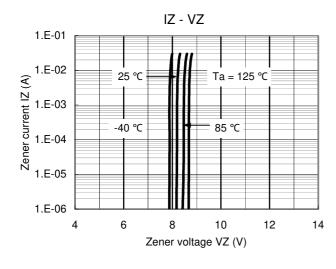
^{*2:} Test method:IEC61000_4_2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)

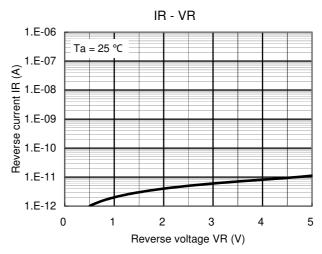
 $\begin{array}{c} \text{Zener Diode} \\ DZ36082D0L \end{array}$

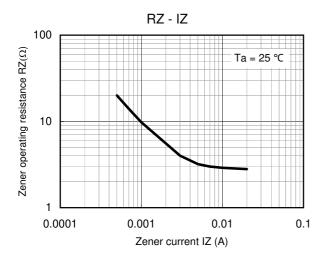
Technical Data (reference)

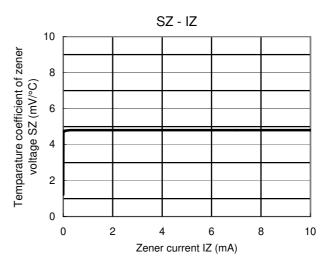










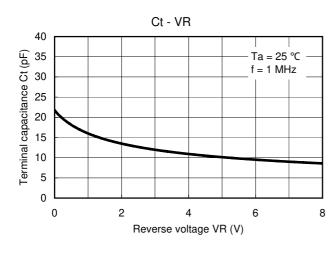


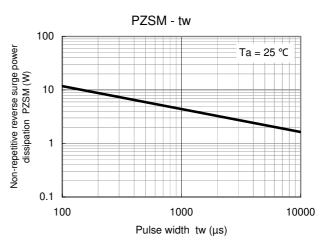
Established: 2012-04-02 Revised: 2013-11-01 Doc No. TT4-EA-14170 Revision. 4

Panasonic

Zener Diode DZ36082D0L

Technical Data (reference)





Established: 2012-04-02 Revised: 2013-11-01

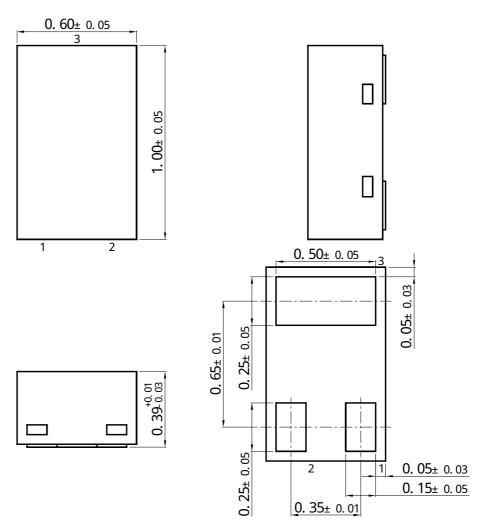
Zener Diode

Unit: mm

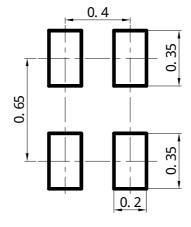
DZ36082D0L

Panasonic

ML3-N4-B



■ Land Pattern (Reference) (Unit: mm)



0. 35± 0. 01

Established: 2012-04-02 Revised: 2013-11-01

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