

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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

DE2S04300L

Panasonic

DE2S04300L

Silicon epitaxial planar type

For ESD protection

■ Features

- High ESD
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol:9C

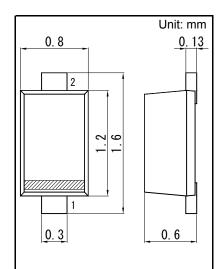
■ Packaging

Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C Parameter Symbol Rating Unit Total power dissipation *1 PT 150 mW

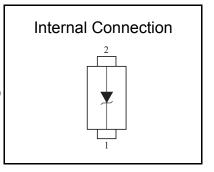
Electrostatic discharge *2ESD±30kVJunction temperatureTj150°COperating ambient temperatureTopr-40 to +85°CStorage temperatureTstg-55 to +150°C

- Note) *1: Mounted on glass epoxy print board. (45 mm x 45 mm x 1 mm) Solder in (0.8 mm x 0.6 mm)
 - *2: Test method:IEC61000_4_2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)



- 1. Cathode
- 2. Anode

Panasonic	SSMini2-F5-B
JEITA	SC-79
Code	SOD-523



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

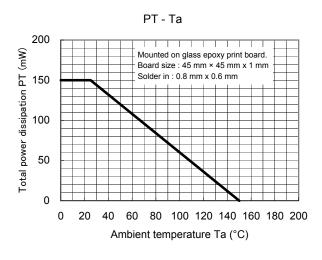
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Zener voltage *1,*2	VZ	IZ = 1 mA	4.09		4.52	V
Reverse current	IR	VR = 1 V			10.0	μA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		91		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 1 mA		-2.1		mV/°C

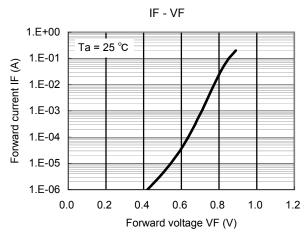
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
 - 2. *1: The temperature must be controlled 25°C for VZ mesurement. VZ value measured at other temperature must be adjusted to VZ (25°C)
 - *2: VZ guaranted 20 ms after current flow.
 - *3: Tj = 25°C to 150°C

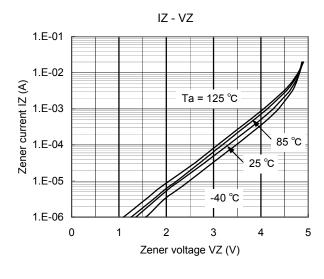
Established : 2012-10-24 Revised : 2013-11-01 **Panasonic**

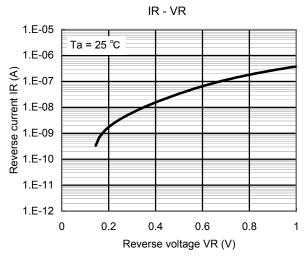
Zener Diode DE2S04300L

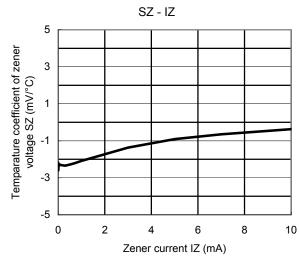
Technical Data (reference)

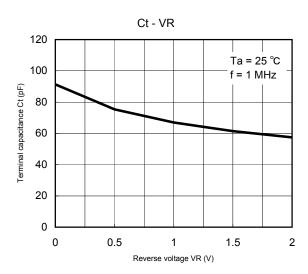








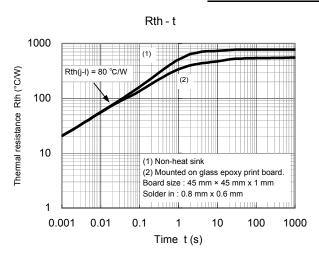


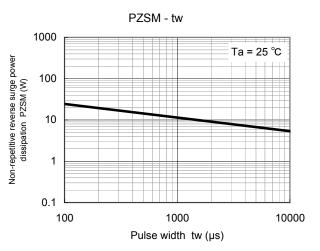


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Zener Diode DE2S04300L

Technical Data (reference)





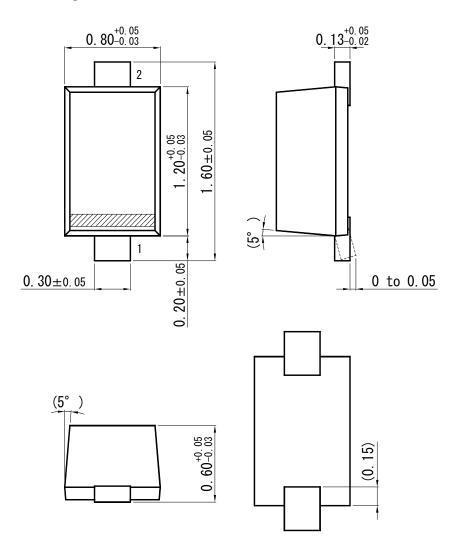
Established: 2012-10-24 Revised: 2013-11-01 **Panasonic**

Zener Diode

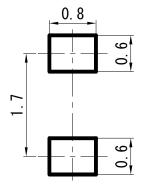
DE2S04300L

SSMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



Established: 2012-10-24 Revised: 2013-11-01

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