

Panasonic

DZ2602700L

Silicon epitaxial planar type

For constant voltage / For surge absorption circuit
DZ27027 in ML2 type package

■ 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 :2J

■ Packaging

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

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Repetitive peak forward current	IFRM	200	mA
Total power dissipation ^{*1}	PT	100	mW
Electrostatic discharge ^{*2}	ESD	±15	kV
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note) ^{*1} PT = 100 mW achieved with a printed circuit board.

^{*2} Test method:IEC61000_4_2

(C = 150 pF , R = 330 Ω , Contact discharge : 10 times)

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 10 mA			1.0	V
Zener voltage ^{*1, *2}	VZ	IZ = 5 mA	2.57		2.84	V
Zener operating resistance	RZ	IZ = 5 mA			110	Ω
Reverse current	IR	VR = 1.0 V			120	μA
Temperature coefficient of zener voltage ^{*3}	SZ	IZ = 5 mA		-1.9		mV/°C

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

2. Absolute frequency of input and output is 5 MHz.

3. ^{*1} The temperature must be controlled 25 °C for VZ measurement.

VZ value measured at other temperature must be adjusted to VZ (25 °C)

^{*2} VZ guaranteed 20 ms after current flow.

^{*3} Tj = 25 °C to 150 °C

