

ESD Protection diode

RSB5.6S

●Applications

ESD Protection

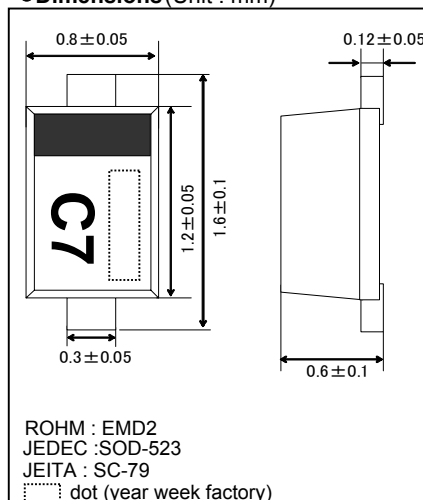
●Features

- 1) Ultra small mold type. (EMD2)
- 2) Bi direction high reliability.
- 3) Bi chip-mounter, automatic mounting is possible.

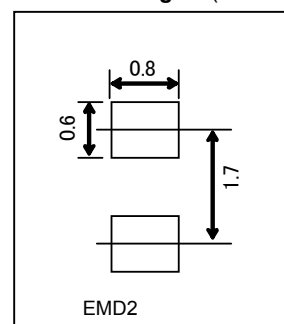
●Construction

Silicon epitaxial planar

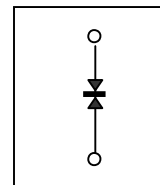
●Dimensions (Unit : mm)



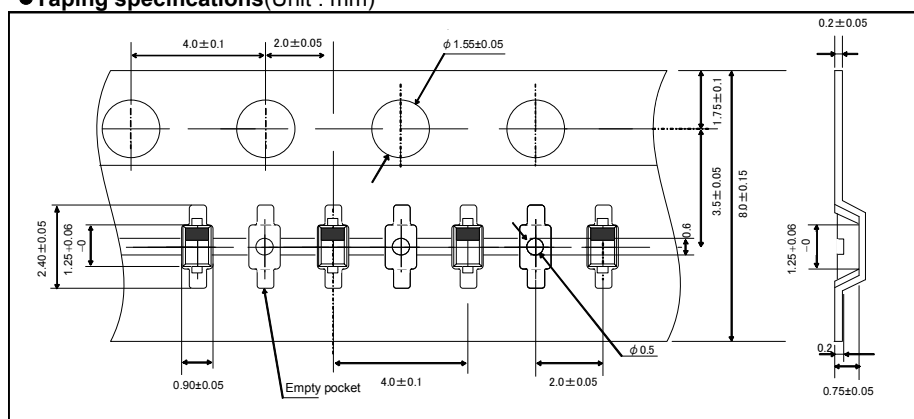
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Peak Pulse Power (tp=10×100μs)	Ppk	10	W
Power dissipation	P	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C
Operating temperature range	Topr	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Max.	Unit	Conditions
Zener voltage	Vz	4.760	6.440	V	Iz=1mA
Reverse current	IR	-	1.0	μA	VR=2.5V

* Zener voltage to be measured at 40ms after current starting to apply.

Notes

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Distribution Inventory **Search**

Bi-directional zener diodes

RSB5.6S

Data Sheet

 [Data Sheet](#) (1005K)

 [Distribution Inventory](#)

Technical Data

[Spice Model\(lib\)](#)

[Reliability information](#)

[Storage conditions](#)

[Part No. explanation](#)

[RoHS](#)

[Thermal Model\(lib\)](#)

[Condition of soldering](#)

[Taping specifications](#)

[Operation notes](#)

[Inquiries concerning our products](#)

[Print out](#)

[Product description]

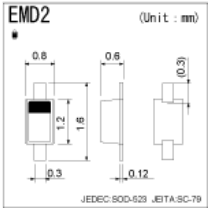
ROHM's zener diodes are available in various lineup as 2-pin mold surface mount type and complex type.

Outline



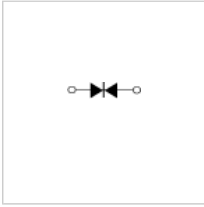
1.6x0.8(t=0.6)

Dimensions



* Click to enlarge.

Equivalent circuit diagram



Features

- This zener diode absorbs both plus and minus surge in one package, and are suitable for various signal lines from consumer appliances to automobiles.
- Bi-directional zener diodes.

Product specifications

Absolute maximum ratings (Ta=25°C)		
Rated parameters	Standard value	Conditions
Peak pulse power Ppk_1	-	
Peak pulse power Ppk_2	-	
Stand-off voltage V _{RMN}	-	
Power dissipation P _D (mW)	150	
Junction temperature T _j (°C)	150	
Storage temperature T _{stg} (°C)	-55 to +150	
Operating temperature Topr(°C)	-55 to +150	

*The contents described here are just outline for introduction.
Please obtain the specification sheets from us for thorough check before use.

> Diodes

2011.07.13
ROHM's fast recovery diodes offer high efficiency with low noise

2010.05.10
Low Drive Voltage High Efficiency SiC Schottky Barrier Diodes

[What is a diode?](#)

☒ Quality and Reliability

☒ Part No. explanation

☒ Packaging specifications

☒ Mounting and storage conditions

☒ Products information

☒ FAQ

☒ RoHS directive compliance

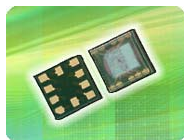
☒ Contact us

Status Product

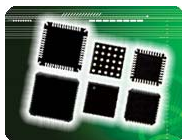
Part No.	Package	Status *	RoHS	Packing style	Package quantity	Sales	Distribution Inventory
RSB5.6STE61	EMD2/SOD-523/SC-79 @ROHM/JEDEC/JEITA	Active	Yes	Taping	3000	Inquiry	Purchase

* Active: Production or current type Preparation: Preliminary type Preview: Development type

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ROHM Develops New Motor Driver LSI. Part offers wide range of operating voltages and industry's shortest turn-on times in a



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