

Bi Direction ESD Protection Diode (Silicon Epitaxial Planer)

RSB6.8G

●Application

ESD Protection / Bi direction

●Features

- 1) Ultra small mold type (VMD2)
- 2) High reliability
- 3) Bi chip-mounter, automatic mounting is possible.

●Absolute maximum ratings (Ta=25°C)

Peak pulse power (tp=10 × 1000μs)	Ppk	10 W
Power dissipation	P	100 mW
Junction temperature	Tj	150 °C
Storage temperature	Tstg	-55 to 150 °C
Operation temperature	Topr	-55 to 150 °C

●Electrical characteristics (Ta=25°C) (*Rating of per Diode)

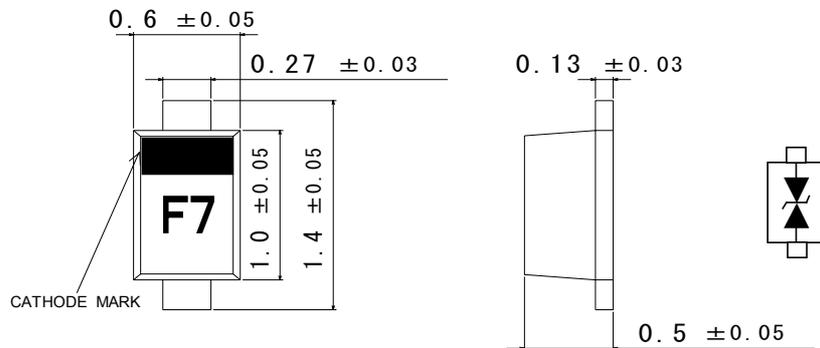
Characteristic	Symbol	Test condition	Standard	
			MIN.	MAX.
Zener Voltage	Vz	Iz= 1 mA	5.780 V	7.820 V
Reverse current	IR	VR= 3.5 V	-	0.5μA
Junction capacitance	Ct	f= 1MHz VR= 0 V	15pF	TYP.

* Please pay attention to static electricity when handling.

* Zener voltage (Vz) shall be measured at 40ms after loading current.

Diodes

●External dimensions (Unit : mm)



●Others

Characteristic	IEC-61000-4-2	
Equipment Composition	· Charge discharge Capacitance	: 150 pF
	· Discharge resistance	: 330 Ω
Criterion	· Repeat by 10 times	· No erroneous operation
	· Contact	: ± 8 kV
	· In air	: ± 15 kV

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