

# Bi direction ESD Protection Diode

### RSB39V

#### Applications

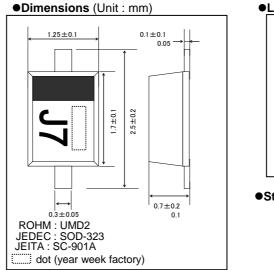
**ESD Protection** 

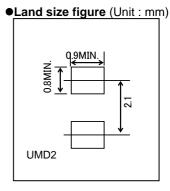
#### Features

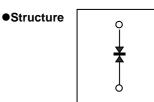
- 1)Small mold type. (UMD2)
- 2)High reliability.
- 3)Bi-directionality.

#### Constructions

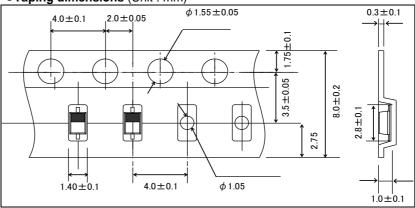
Silicon epitaxial planer







●Taping dimensions (Unit: mm)



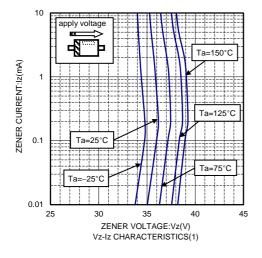
#### ● Absolute maximum ratings (Ta=25°C)

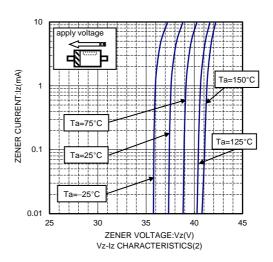
Parameter	Symbol	Limits	Unit
Power dissipation	Pd	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to +150	°C

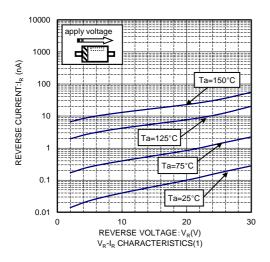
#### ●Electrical characteristics (Ta=25°C)

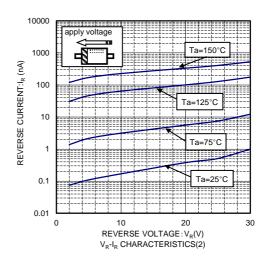
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	$V_Z$	35.1	-	42.9	V	I <sub>Z</sub> =1mA
Reverse current	I <sub>R</sub>	-	-	0.1	μΑ	V <sub>R</sub> =30V
Junction capacitance	Ct	-	-	30	pF	V <sub>R</sub> =0V , f=1MHz

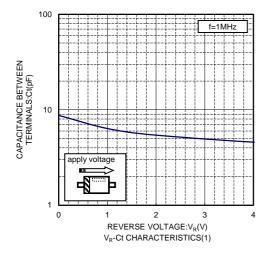
<sup>\*</sup>Zener voltage (Vz)shall be measured at 40ms after loading current.

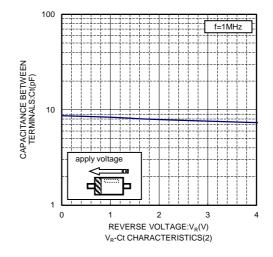


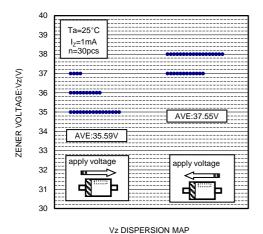


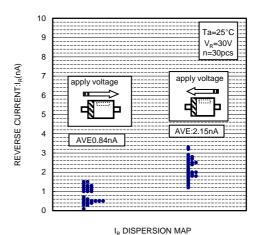


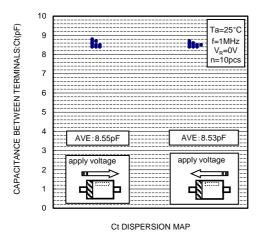


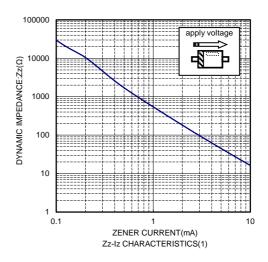


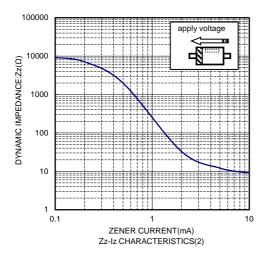


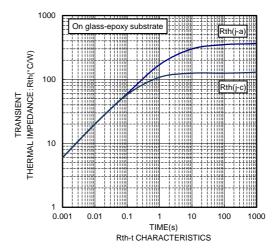


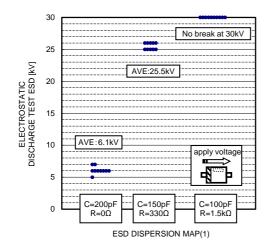


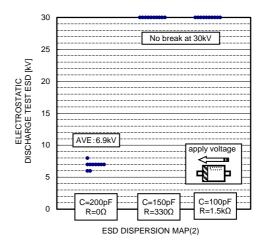












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