ESD Protection diode

STZC6.8N

Application

ESD Protection, bi direction

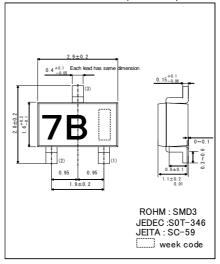
● Features

- 1) Ultra small mold type. (SMD3)
- 2) High reliability.
- 3) Ultra low capacitance

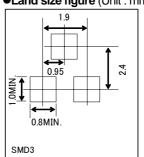
Construction

Silicon epitaxial planar

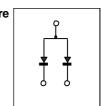
●External dimensions (Unit : mm)



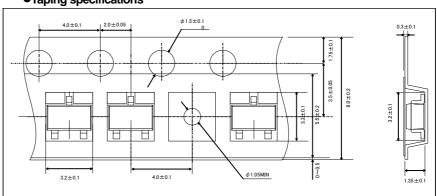
●Land size figure (Unit : mm)



Structure



Taping specifications



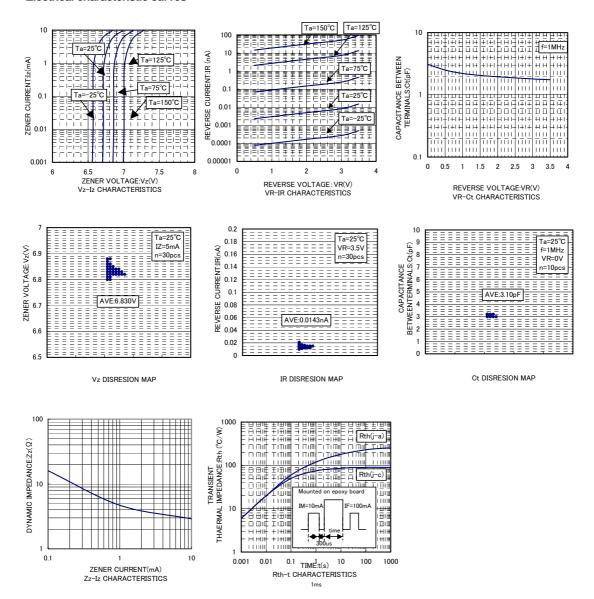
● Absolute maximum ratings (Ta=25°C)

-7 1000 1010 1111 1111 190 (10 10 0)								
Parameter	Symbol	Limits	Unit					
Power dissipation (*1)	Р	200	mW					
Junction temperature	T _i	150	°C					
Storage temperature	Tstg	-55 to +150	°C					

●Electrical characteristics (Ta=25°C, Rating of per diode)

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Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions		
Zener voltage	V_Z	6.47	-	7.14	V	I _Z =5mA		
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V		
Capacitance between terminals	Ct	-	3	-	pF	V _R =0V , f=1MHz		

•Electrical characteristic curves



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