

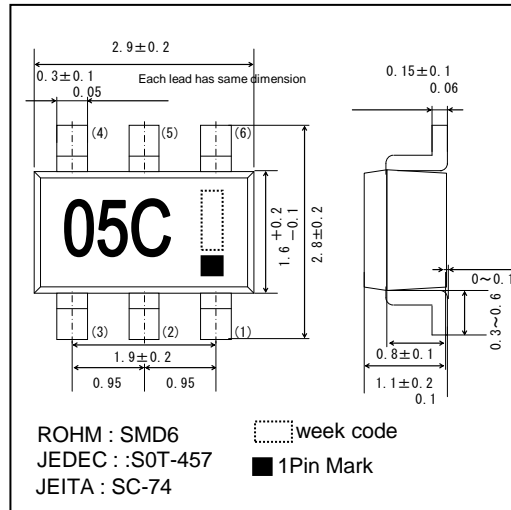
●Application

ESD Protection

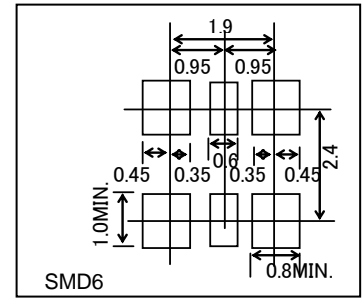
●Features

- 1) Small mold type.
(SMD6)
- 2) High reliability

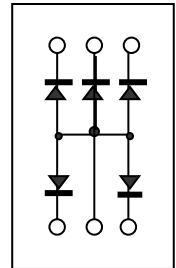
●Dimensions (Unit : mm)



●Land size figure (Unit : mm)



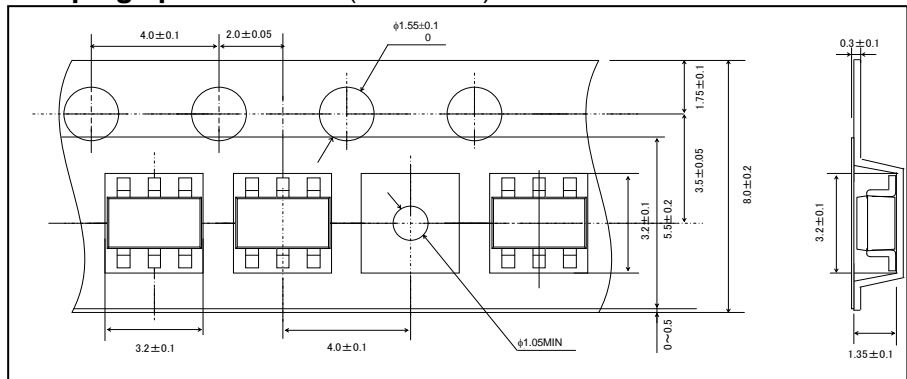
●Structure



●Construction

Silicon Epitaxial Planar Type

●Taping specifications (Unit : mm)



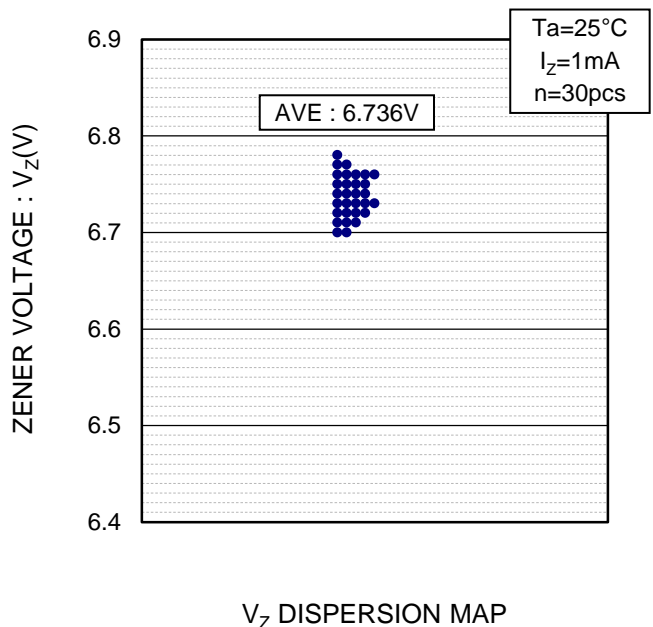
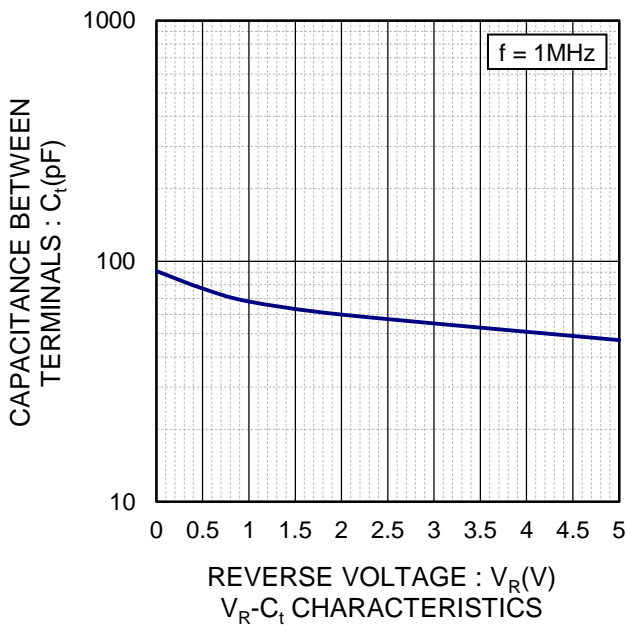
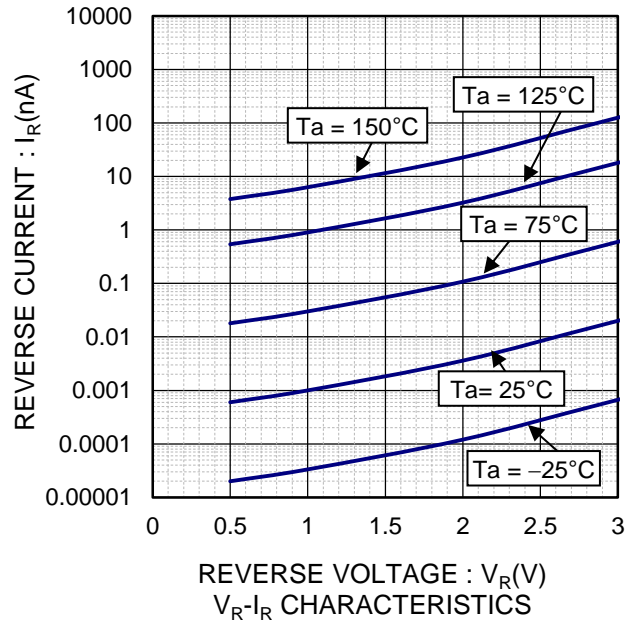
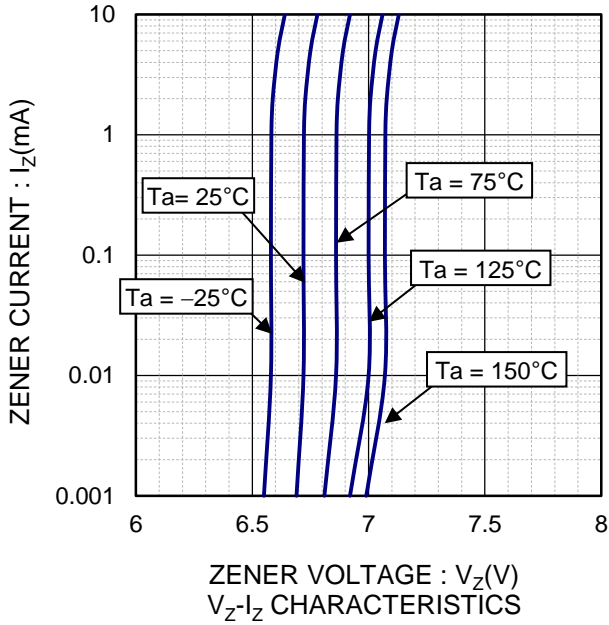
●Absolute maximum ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
Power dissipation	P	200	mW
Peak pulse power-1 ($t_p=10 \times 1000 \mu\text{s}$)	Ppk	30	W
Peak pulse power-2 ($t_p=8 \times 20 \mu\text{s}$)	Ppk	200	W
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

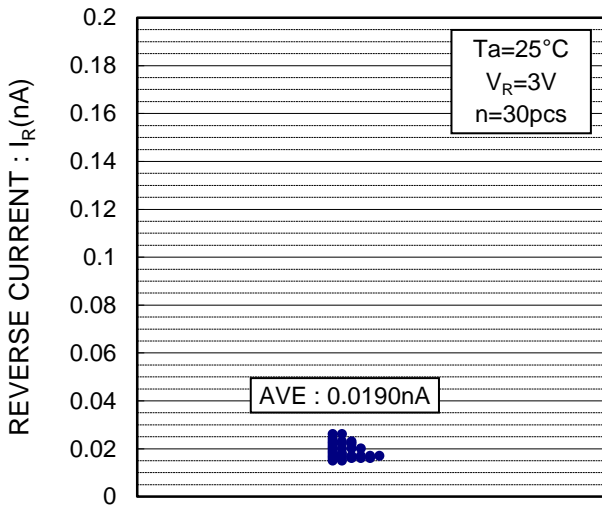
●Electrical characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V_Z	6.1	-	7.2	V	$I_Z=1 \text{ mA}$
Reverse current	I_R	-	-	1.0	μA	$V_R=3.0 \text{ V}$
Forward voltage	V_F	-	-	1.25	V	$I_F=200 \text{ mA}$
Capacitance between terminals	C_t	-	90	-	pF	$V_R=0 \text{ V}, f=1 \text{ MHz}$

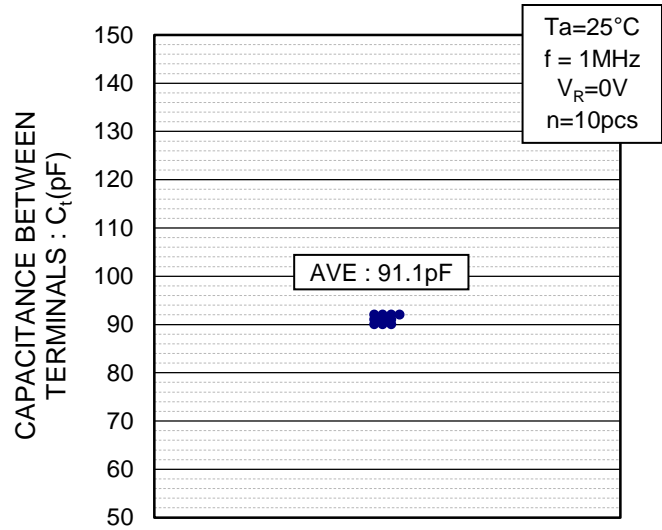
●Electrical characteristic curves



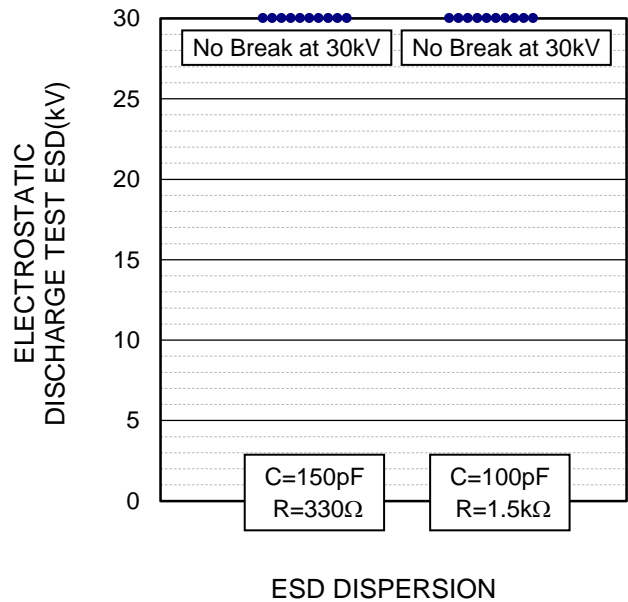
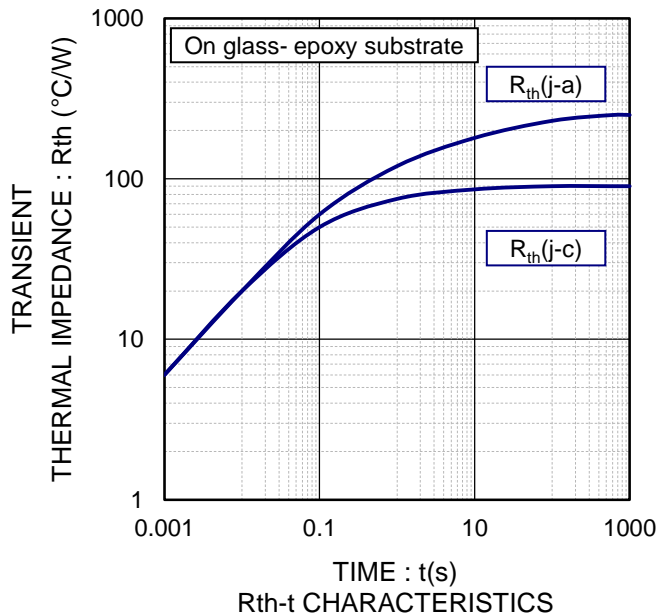
●Electrical characteristic curves



I_R DISPERSION MAP



C_t DISPERSION MAP



Notes

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