

### ●Application

ESD Protection

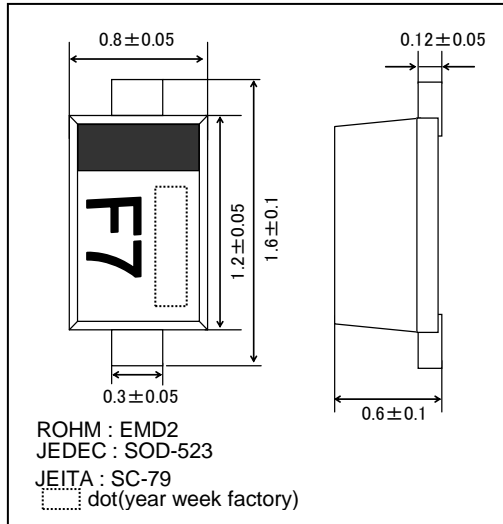
### ●Features

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

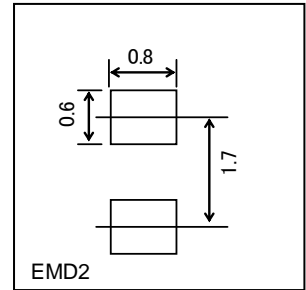
### ●Construction

Silicon epitaxial planar type

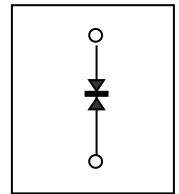
### ●Dimensions (Unit : mm)



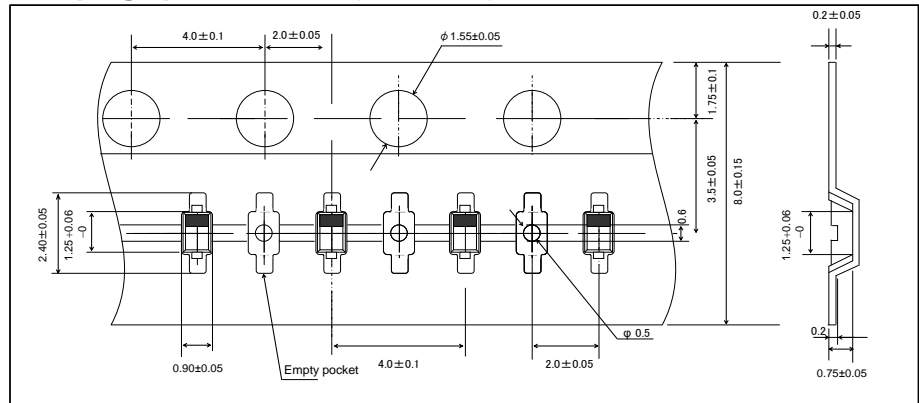
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)

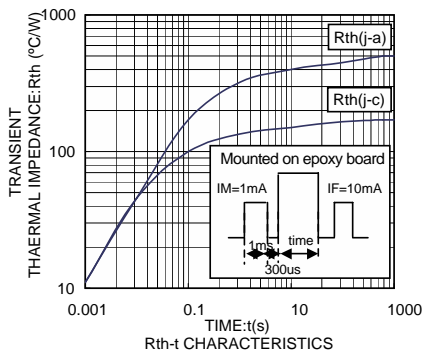
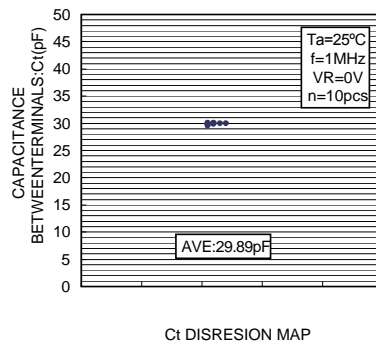
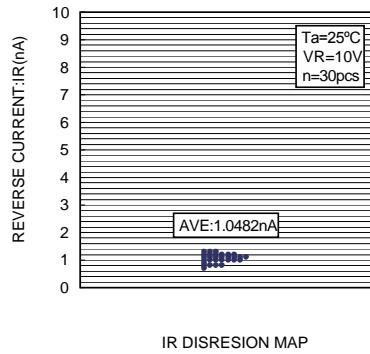
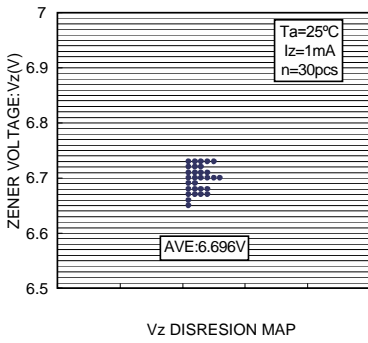
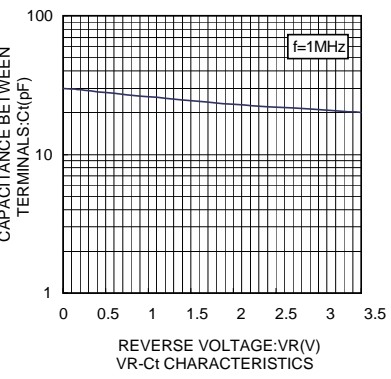
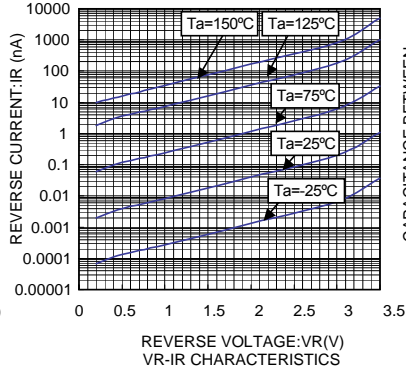
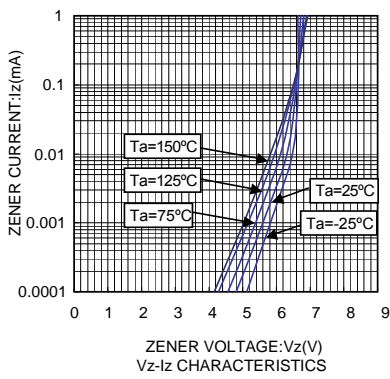


### ●Absolute maximum ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Limits	Unit
Peak Pulse Power ( $t_p=10 \times 1000 \mu\text{s}$ )	Ppk	10	W
Power dissipation	P	150	mW
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{\text{stg}}$	-55 to +150	$^\circ\text{C}$
Operating temperature range	$T_{\text{opor}}$	-55 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	$V_Z$	5.78	-	7.82	V	$I_Z=1\text{mA}$
Reverse current	$I_R$	-	-	0.5	$\mu\text{A}$	$V_R=3.5\text{V}$
Capacitance between terminals	$C_t$	-	-	30	pF	$V_R=0\text{V}$ , $f=1\text{MHz}$



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