# Low Capacitance Protection Device RSB12W

#### Application

**ESD Protection** 

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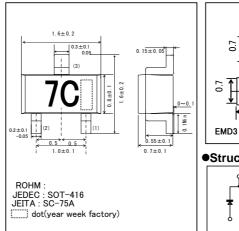
#### Features

- 1) Ultra small mold type. (EMD3)
- 2) Low capacitance
- 3) Bi direction

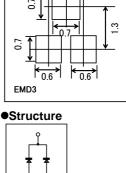
# **●**Construction

Silicon Epitaxial Planar

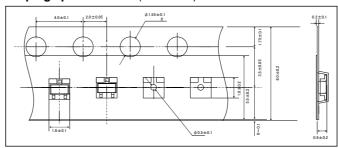
# ●Dimensions (Unit : mm)



## ●Land size figure (Unit : mm)



## ●Taping specifications (Unit : mm)



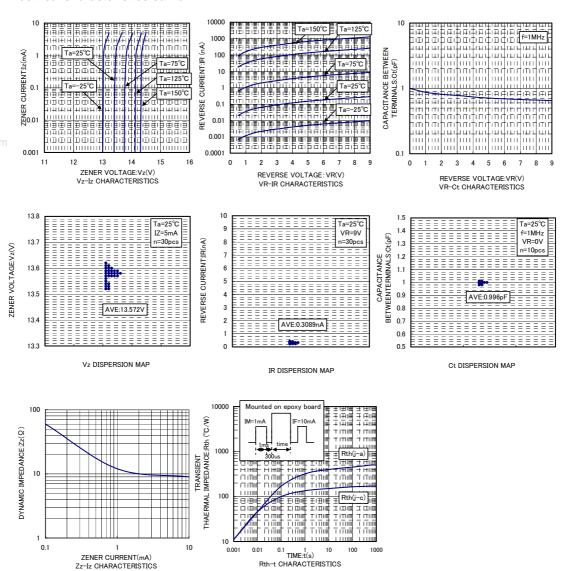
# ●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	Р	150	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	$V_Z$	9.6	-	14.4	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	0.10	μA	V <sub>R</sub> =9V
Capacitance between terminals	$C_t$	-	1	-	pF	f=1MHz,V <sub>R</sub> =0V

#### •Electrical characteristics curve



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