Switching diode **EMP11**

Application

Ultra high speed switching

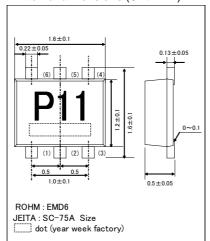
Features

- 1) Ultra small mold type. (EMD6)
- 2) High reliability

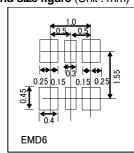
Construction

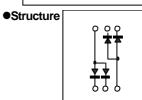
Silicon epitaxial planar

●External dimensions (Unit : mm)

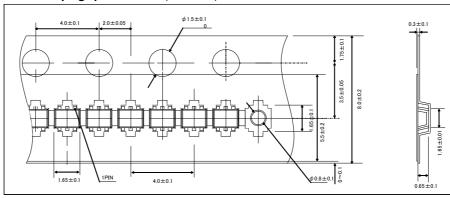


●Land size figure (Unit : mm)





● Taping specifications (Unit: mm)



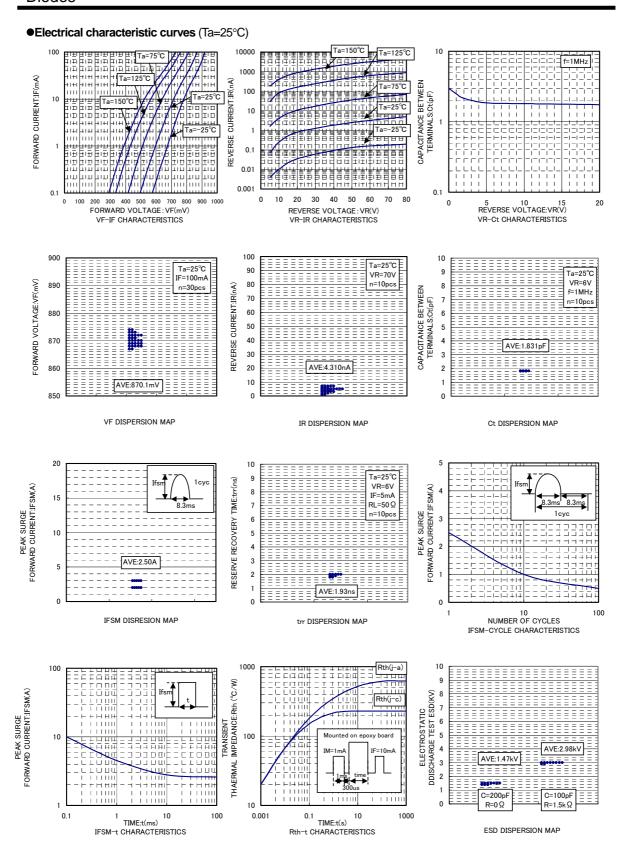
● Absolute maximum ratings (Ta=25°C)

Deservator		Lineite	Unit	
Parameter	Symbol	Limits		
Reverse voltage (repetitive peak)	V_{RM}	80	V	
Reverse voltage (DC)	V_R	80	V	
Forward current (Single)	I _{FM}	300	mA	
Average rectified forward current (Single)	lo	100	mA	
Surge current (t=1us)	I _{surge}	4	Α	
Power dissipation	Pd	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
Forward voltage	V_{F}	-	-	1.2	V	I _F =100mA
Reverse current	I _R	-	-	0.1	μA	V _R =70V
Capacitance between terminals	Ct	-	-	3.5	pF	V _R =6V , f=1MHz
Reverse recovery time	trr	-	-	4	ns	V_R =6V , IF=5mA , RL=50 Ω

Rev.B



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