Switching diode

1SS380

Applications

High speed switching

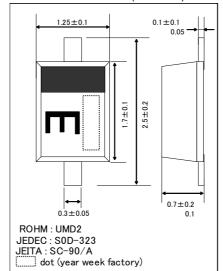
Features

- 1) Ultra small mold type. (UMD2)
- 2) High reliability.

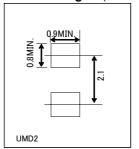
Construction

Silicon epitaxial planar

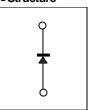
●External dimensions (Unit : mm)



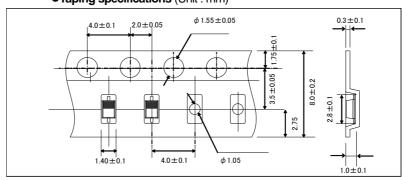
●Land size figure (Unit : mm)



Structure



● Taping specifications (Unit : mm)



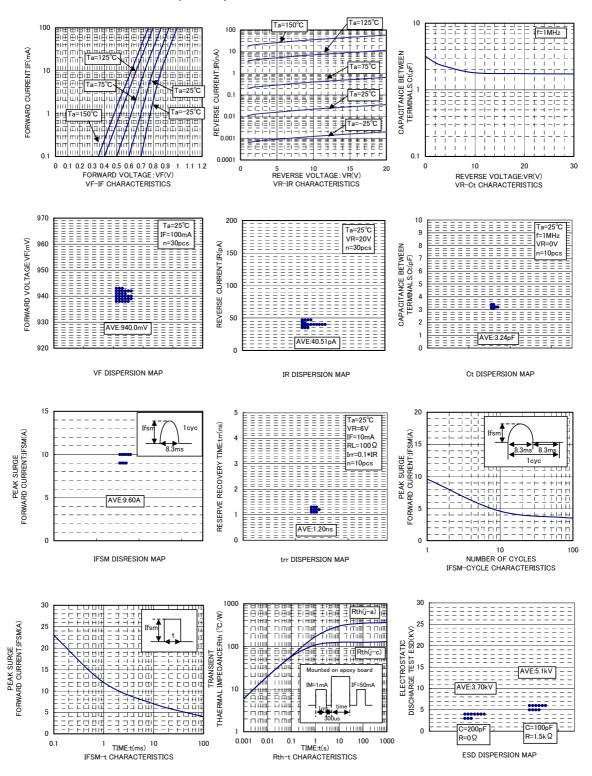
● Absolute maximum ratings (Ta=25°C)

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Parameter	Symbol	Limits	Unit				
Reverse voltage (repetitive peak)	V_{RM}	40	V				
Reverse voltage (DC)	V_R	35	V				
Forward current	I _{FM}	225	mA				
Average rectified forward current	lo	100	mA				
Surge current](t=1s)	I _{surge}	400	mA				
Junction temperature	Tj	150	°C				
Storage temperature	Tsta	-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	-	-	0.01	μΑ	V _R =20V	
Capacitacne between terminals	Ct	-	-	5.0	pF	V _R =0.5V , f=1MHz	

●Electrical characteristic curves (Ta=25°C)



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