

# **Switching Diode**

#### **1SS400**

#### Applications

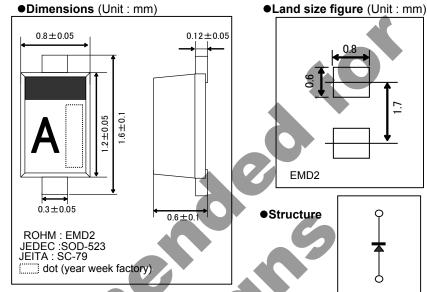
High speed switching

#### Features

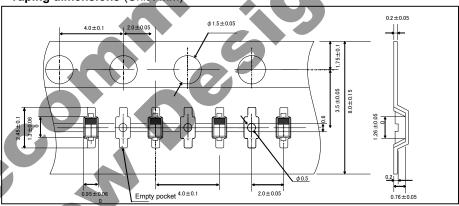
1)Ultra small mold type. (EMD2) 2)High reliability

#### **●**Construction

Silicon epitaxial planar



#### ●Taping dimensions (Unit: mm)

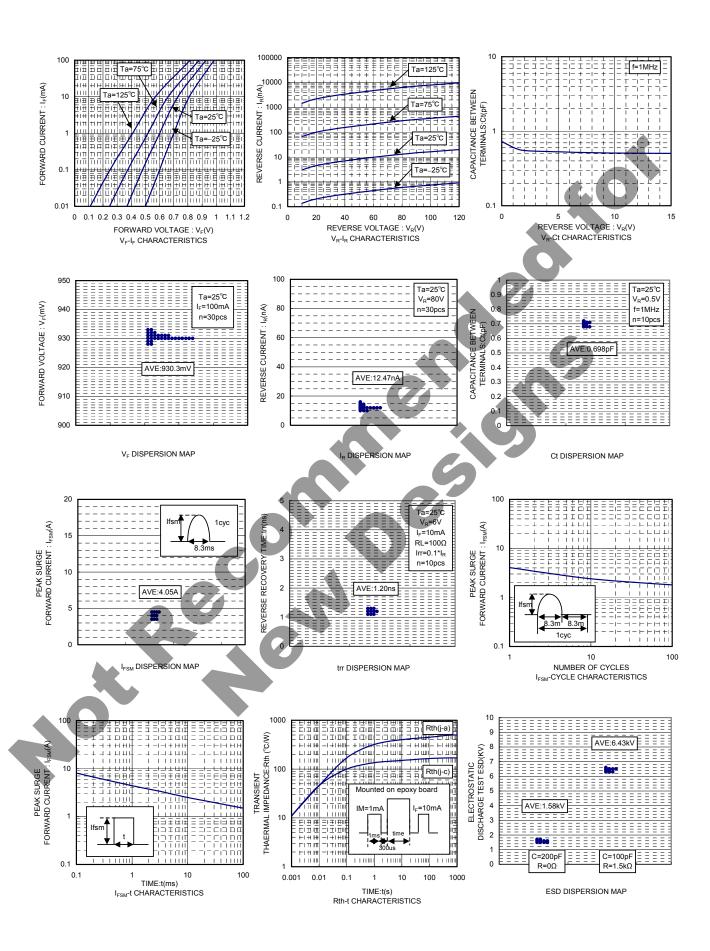


#### ●Absolute maximum ratings (Ta=25°C)

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Parameter	Symbol	Limits	Unit				
Reverse voltage (repetitive)	$V_{RM}$	90	V				
Reverse voltage (DC)	$V_{R}$	80	V				
Forward voltage(repetitive peak)	I <sub>FM</sub>	225	mA				
Average rectified forward current	lo	100	mA				
Surge current(t=1s)	I <sub>surge</sub>	500	mA				
Junction temperature	Tj	125	°C				
Storage temperature	Tstg	−55 to +125	°C				

#### ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Forward voltage	$V_{F}$	-	-	1.2	V	I <sub>F</sub> =100mA	
Reverse current	I <sub>R</sub>	ı	-	0.1	μA	V <sub>R</sub> =80V	
Capacitance between terminals	Ct	-	-	3	pF	V <sub>R</sub> =0.5V , f=1MHz	
Reverse recovery time	trr	-	-	4	ns	$V_R$ =6V , IF=10mA , RL=100Ω	



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