Switching Diode

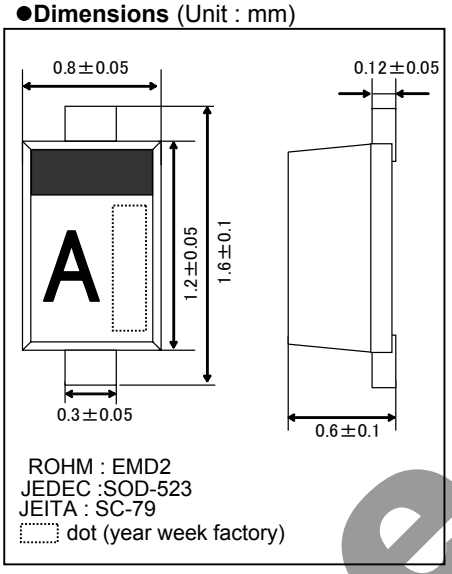
1SS400

●**Applications**
High speed switching

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

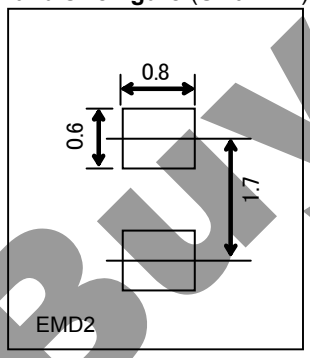
●**Construction**
Silicon epitaxial planar

●**Dimensions** (Unit : mm)

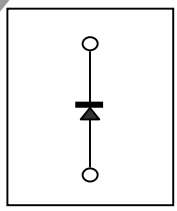


ROHM : EMD2
JEDEC :SOD-523
JEITA : SC-79
dot (year week factory)

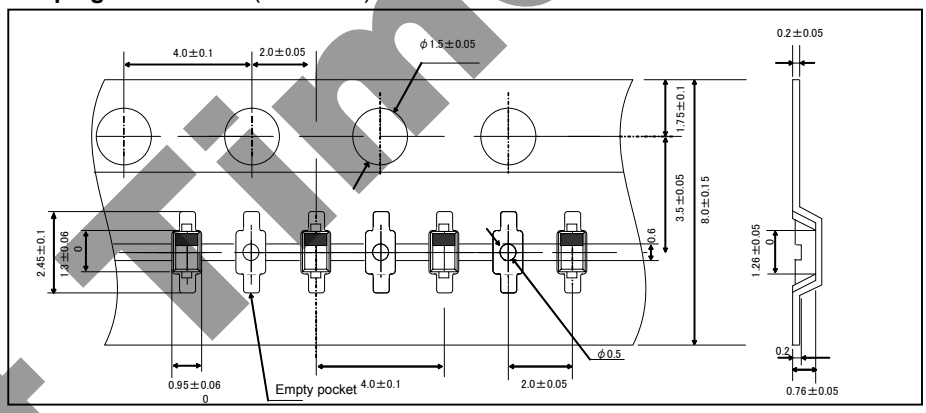
●**Land size figure** (Unit : mm)



●**Structure**



●**Taping dimensions** (Unit : mm)

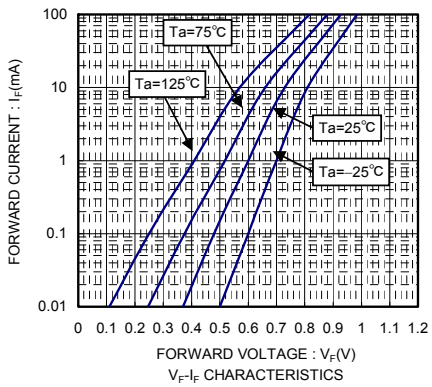


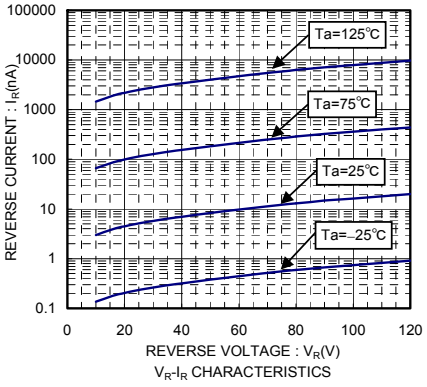
●**Absolute maximum ratings** (Ta=25°C)

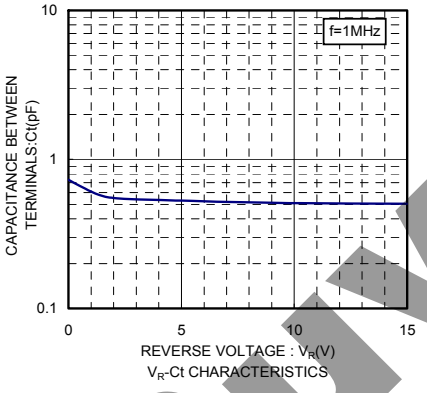
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	90	V
Reverse voltage (DC)	V_R	80	V
Forward voltage(repetitive peak)	I_{FM}	225	mA
Average rectified forward current	Io	100	mA
Surge current(t=1s)	I_{surge}	500	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	−55 to +125	°C

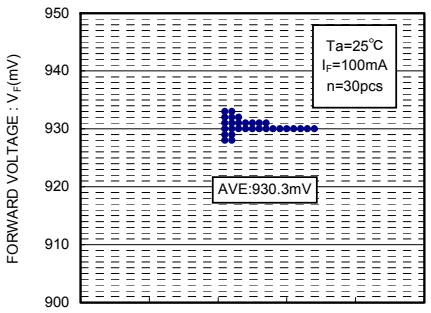
●**Electrical characteristics** (Ta=25°C)

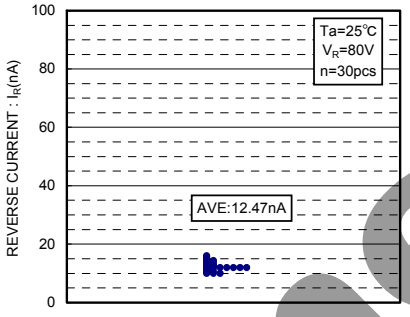
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.2	V	I_F=100mA
Reverse current	I_R	-	-	0.1	μA	V_R=80V
Capacitance between terminals	Ct	-	-	3	pF	V_R=0.5V , f=1MHz
Reverse recovery time	trr	-	-	4	ns	V_R=6V , IF=10mA , RL=100Ω

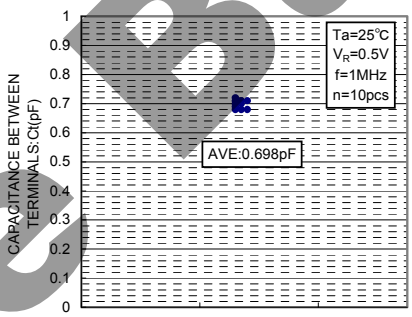


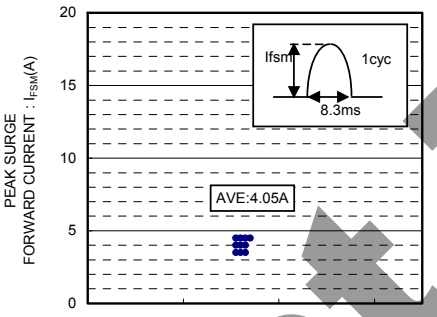


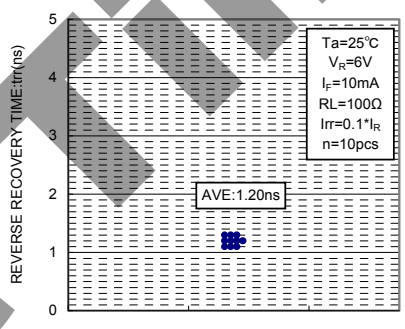


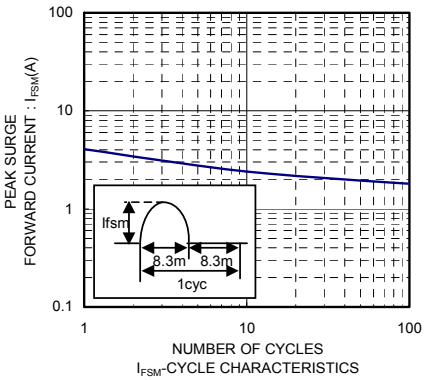


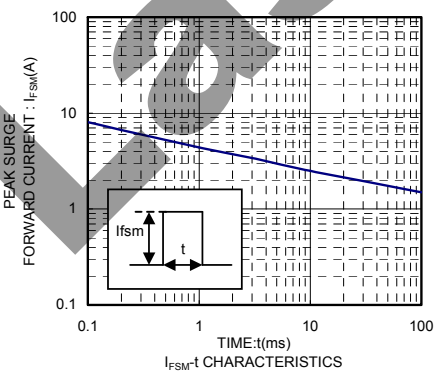


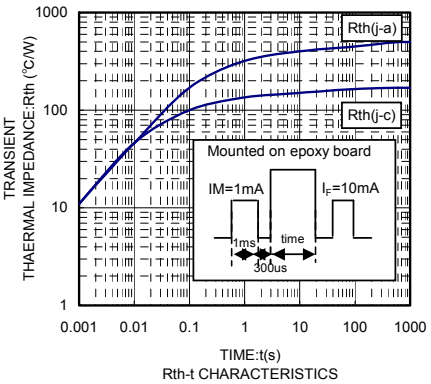


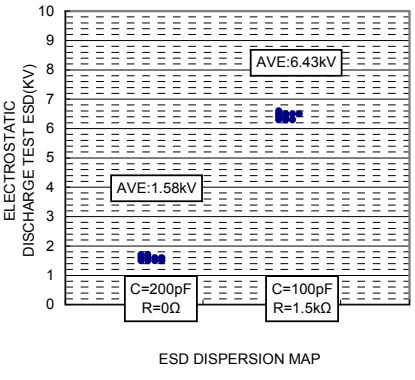












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2) Before you use our Products, please contact our sales representative and verify the latest specifications :

3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.
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ROHM SEMICONDUCTOR

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