

Switching Diode

1SS400G

● **Applications**

High speed switching

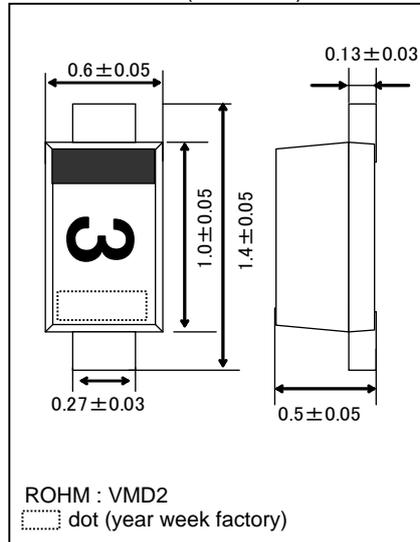
● **Features**

- 1) Ultra small mold type. (VMD2)
- 2) High reliability

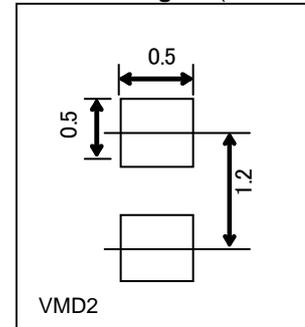
● **Construction**

Silicon epitaxial planer

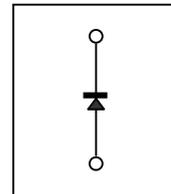
● **Dimensions (Unit : mm)**



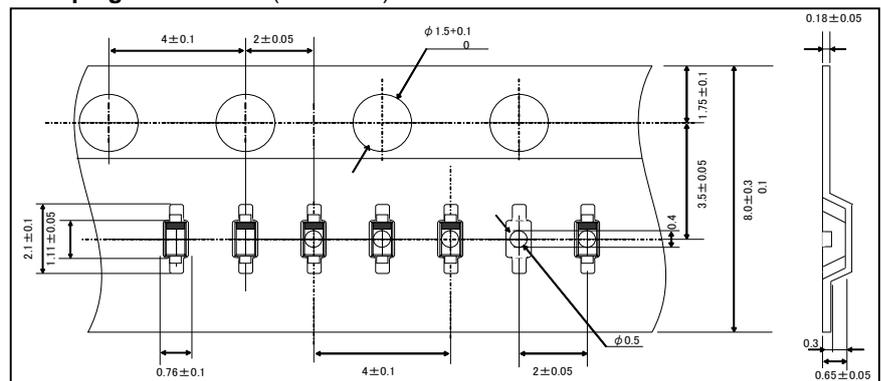
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**

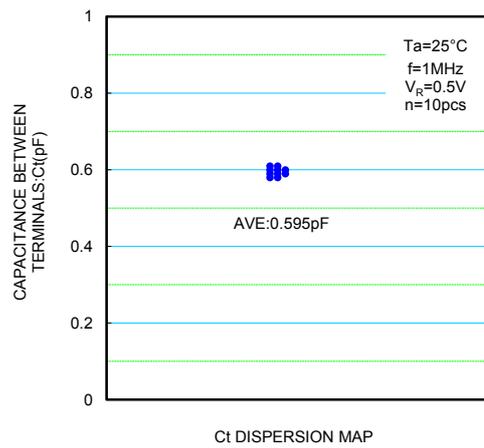
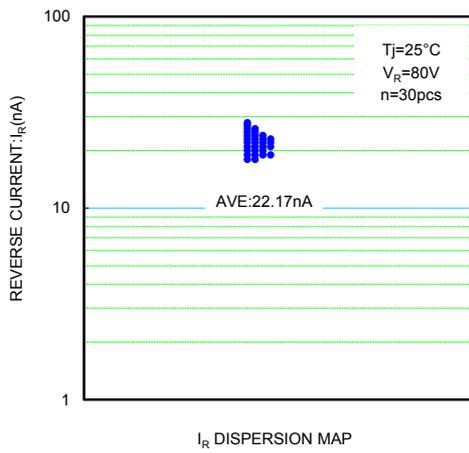
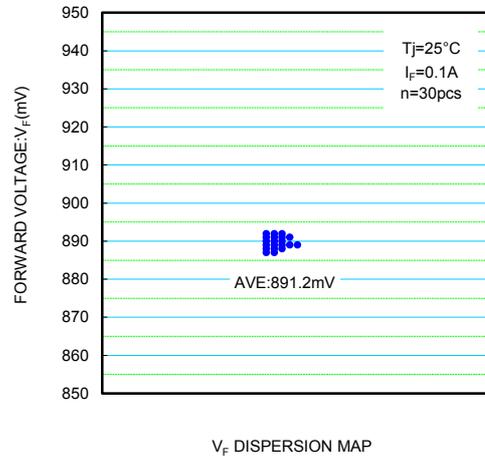
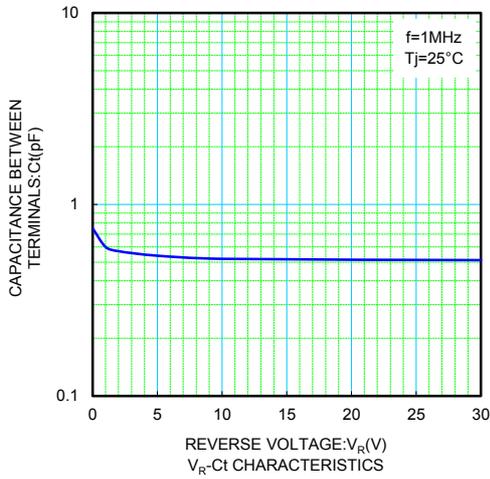
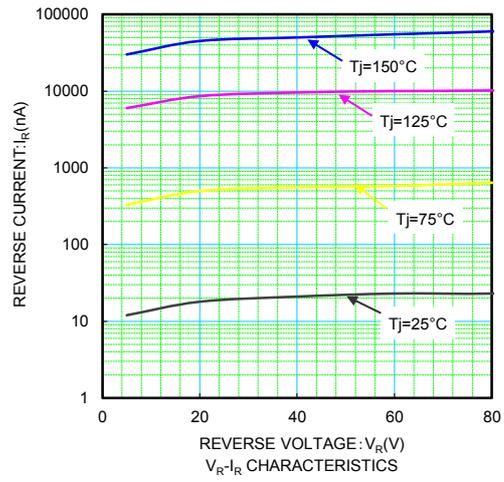
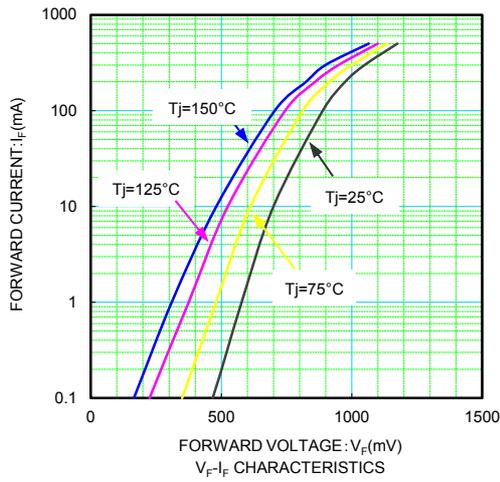


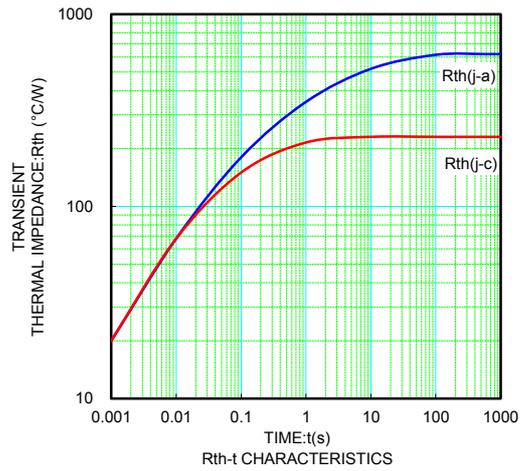
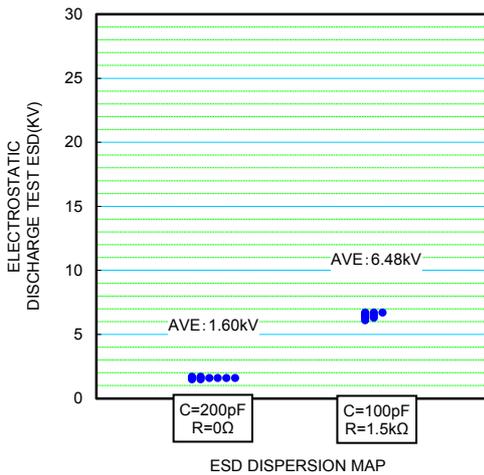
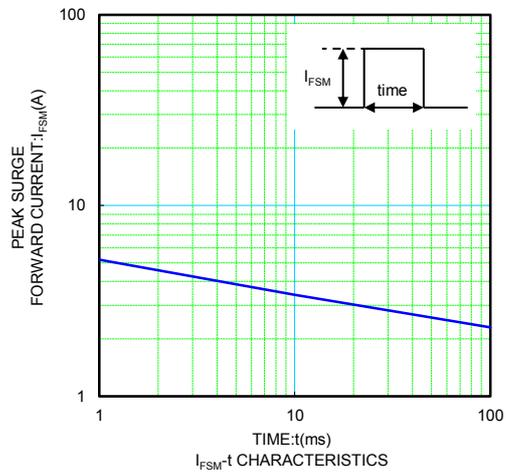
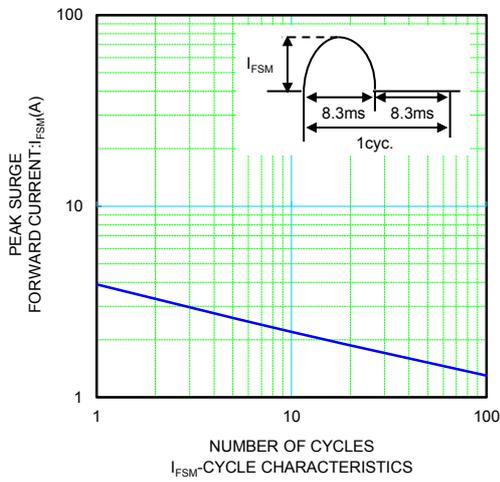
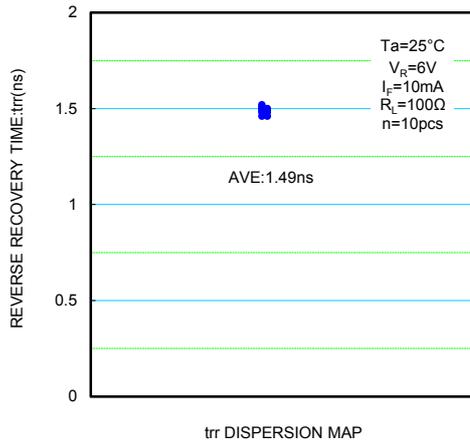
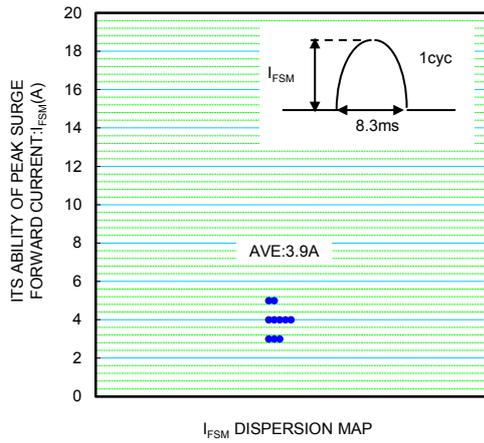
● **Absolute maximum ratings (Ta=25°C)**

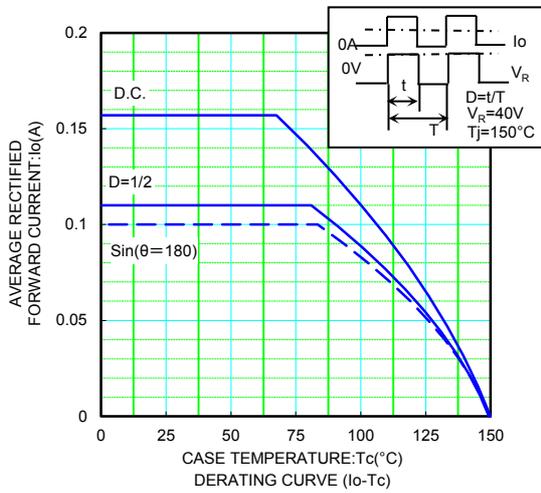
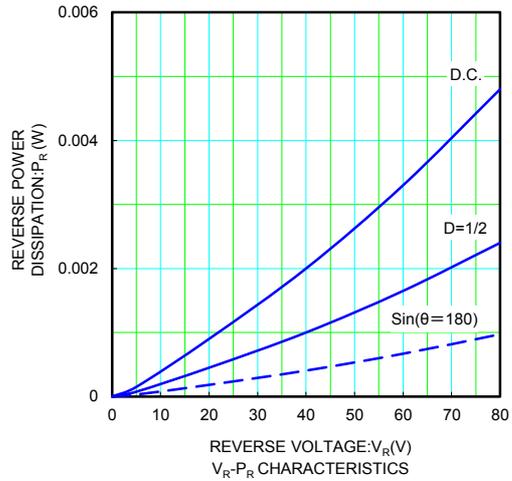
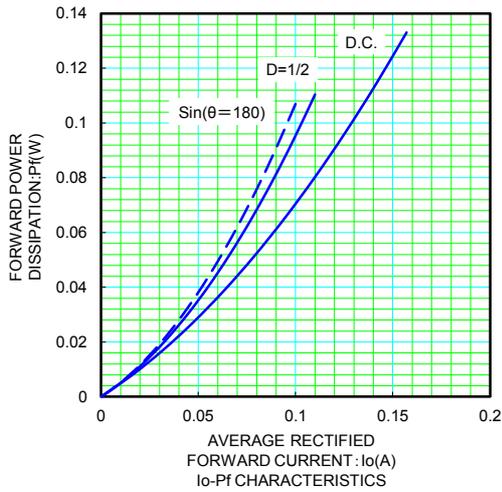
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	90	V
Reverse voltage (DC)	V_R	80	V
Forward current (repetitive peak)	I_{FM}	225	mA
Average rectified forward current	I_o	100	mA
Surge current (1S)	I_{surge}	500	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°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	-	-	100	nA	$V_R=80V$
Capacitance between terminal	C_t	-	-	3.0	pF	$V_R=0.5V f=1.0MHz$
Reverse recovery time	T_{rr}	-	-	4.0	ns	$V_R=6V I_F=10mA R_L=100\Omega$







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