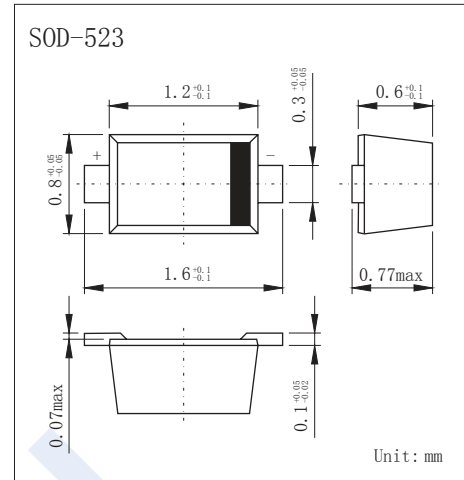


Switching Diodes

1SS400

■ Features

- Fast Switching Speed
- High reliability

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage (Repetitive)	V_{RM}	90	V
Reverse voltage (DC)	V_R	80	
Average rectified forward current	I_o	100	mA
Forward voltage (Repetitive Peak)	I_{FM}	225	
Surge Current($t=1s$)	I_{surge}	500	
Junction Temperature	T_J	125	$^\circ\text{C}$
Storage Temperature range	T_{stg}	-55 to 125	

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V_R	$I_R = 100 \mu\text{A}$	90			V
Forward voltage	V_F	$I_F = 100 \text{mA}$			1.2	
Reverse voltage leakage current	I_R	$V_R = 80 \text{V}$			0.1	μA
Junction capacitance	C_j	$V_R = 0.5 \text{V}, f = 1 \text{MHz}$			3	pF
Reverse recovery time	t_{rr}	$V_R = 6\text{V}, I_F = 10\text{mA}, R_L = 100\Omega$			4	ns

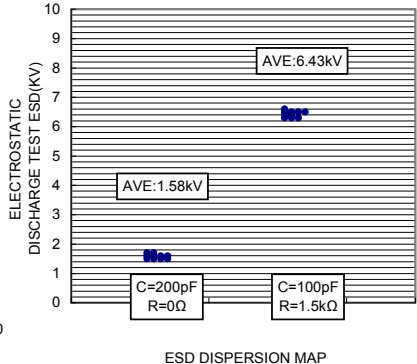
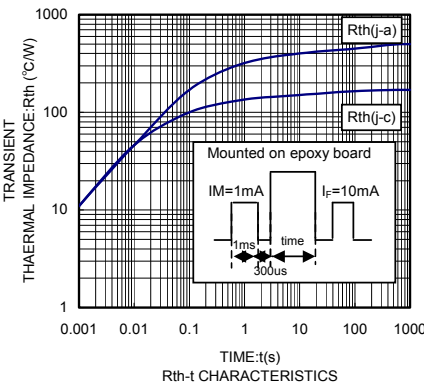
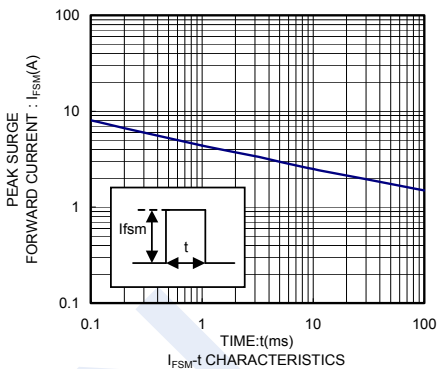
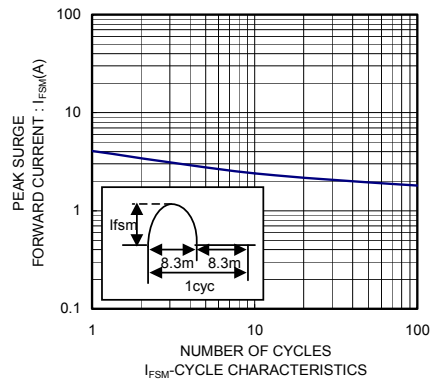
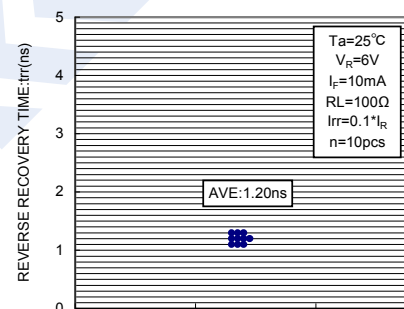
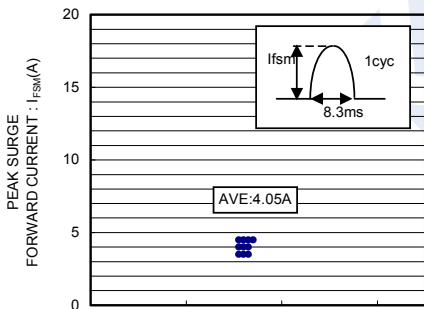
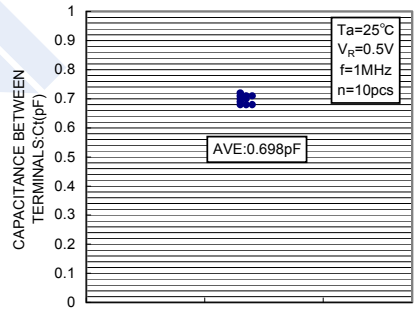
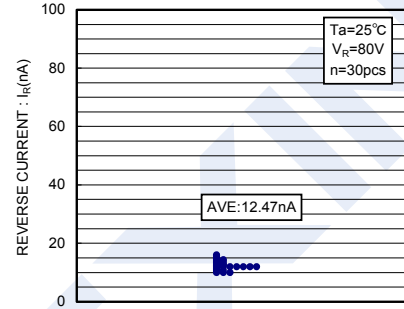
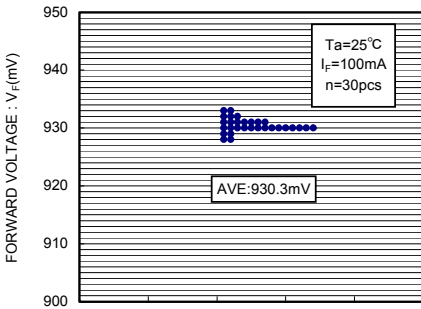
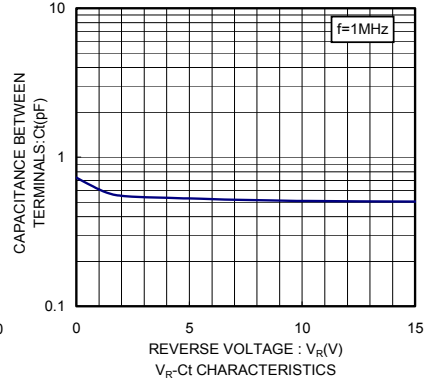
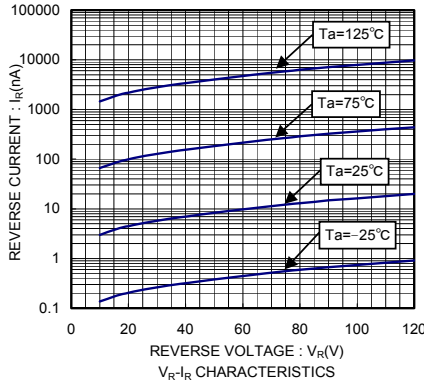
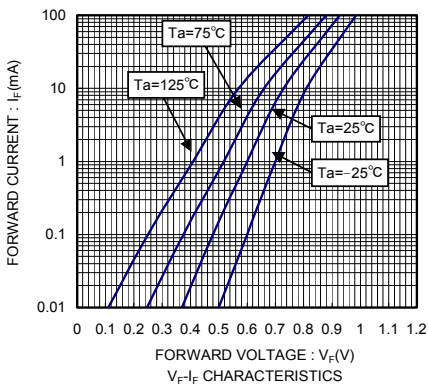
■ Marking

Marking	A*
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Switching Diodes

1SS400

Typical Characteristics



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