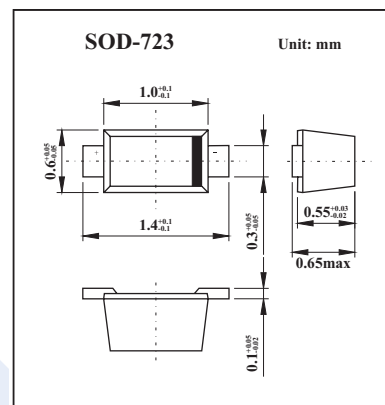


High Speed Switching Diodes

1SS400G

■ Features

- Small surface mounting type
- High Speed
- High reliability with high surge current handling capability



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Peak reverse voltage	V_{RM}	90	V
DC reverse voltage	V_R	80	V
Average forward current	I_o	100	mA
Peak forward current	I_{FM}	225	mA
Surge current (1s)	I_{surge}	500	mA
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F=100mA$			1.2	V
Reverse current	I_R	$V_R=80V$			0.1	μA
Total Capacitance	C_T	$V_R=0.5V, f=1MHz$			3.0	pF
Reverse recovery time	t_{rr}	$V_R=6V, I_F=10mA, R_L=100\Omega$			4	ns

■ Marking

Marking	7
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