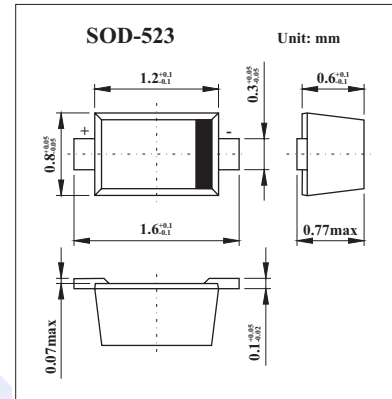


## High Speed Switching Diodes

### 1SS422

#### ■ Features

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



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

Parameter	Symbol	Rating	Unit
Peak reverse voltage	$V_{RM}$	100	V
DC reverse voltage	$V_R$	85	V
Average forward current	$I_o$	150	mA
Peak forward current	$I_{FM}$	500	mA
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +125	$^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F=150\text{mA}$			1.2	V
Reverse current	$I_R$	$V_R=85\text{V}$			0.1	$\mu\text{A}$
Total Capacitance	$C_T$	$V_R=0.5\text{V}, f=1\text{MHz}$			3.0	pF
Reverse recovery time	$t_{rr}$	$V_R=6\text{V}, I_F=10\text{mA}, R_L=100\ \Omega$			4	ns

#### ■ Marking

Marking	6
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