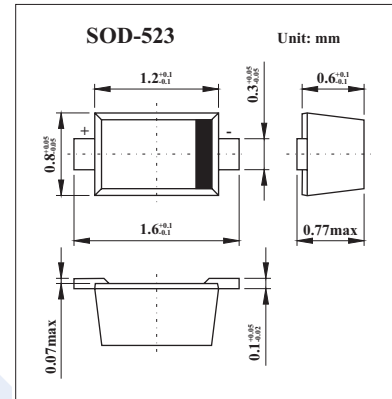


High Speed Switching Diodes

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	μA
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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