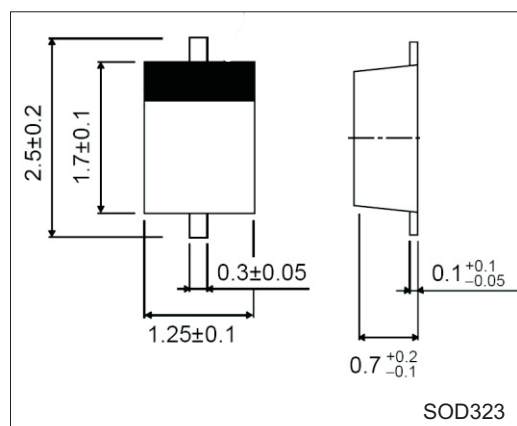


High Speed Switching Diodes

1SS404

■ 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
Reverse voltage (repetitive peak)	V_{RM}	25	V
DC reverse voltage	V_R	20	V
Average rectified forward current	I_O	300	mA
Peak forward current	I_{FM}	700	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	$I_F=1\text{mA}$		0.16		V
		$I_F=10\text{mA}$		0.22		V
		$I_F=300\text{mA}$		0.38	0.45	V
Reverse current	I_R	$V_R=20\text{V}$			50	μA
Capacitance between terminals	C_T	$V_R=0\text{V}, f=1\text{MHz}$		46		pF