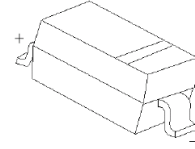




**SOD-323 Plastic-Encapsulate Diodes**

**1SS355** FAST SWITCHING DIODE

SOD-323



**FEATURES**

- 1) Small surface mounting type
- 2) High speed
- 3) High reliability with high surge current handling capability

**MARKING: A**

**Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C**

Parameter	Symbol	Limit	Unit
Non-repetitive peak reverse voltage	$V_{RM}$	90	V
DC blocking voltage	$V_R$	80	V
Peak forward current	$I_{FM}$	225	mA
Average rectified output current	$I_O$	100	mA
Surge current (@t=1s)	$I_{surge}$	500	mA
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{STG}$	-55~+150	°C

**Electrical Ratings @Ta=25°C**

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_F$			1.2	V	$I_F=100mA$
Reverse current	$I_R$			0.1	μA	$V_R=80V$
Capacitance between terminals	$C_T$			3	pF	$V_R=0.5V, f=1MHz$
Reverse recovery time	$t_{rr}$			4	ns	$I_F=10mA, V_R=6V, R_L=100\Omega$

# Typical Characteristics

# 1SS355

