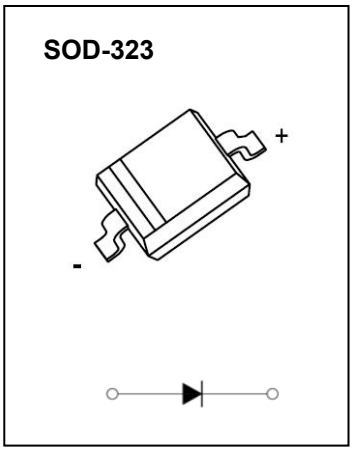
1SS355

FAST SWITCHING DIODE

FEATURES

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

MARKING: A



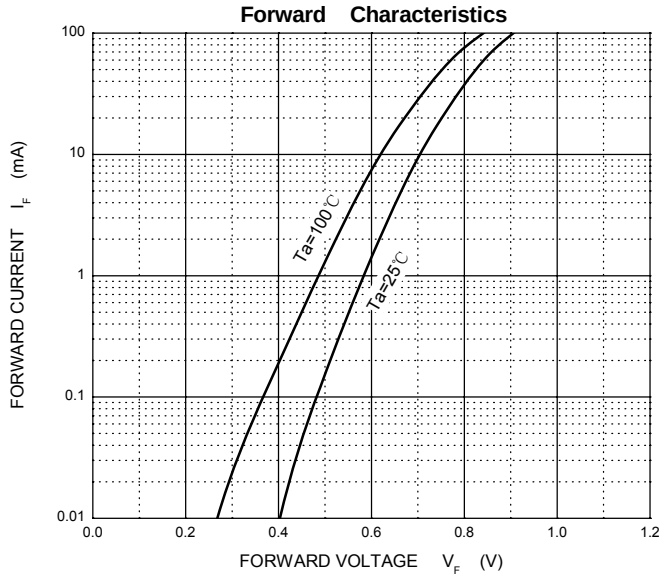
Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25℃

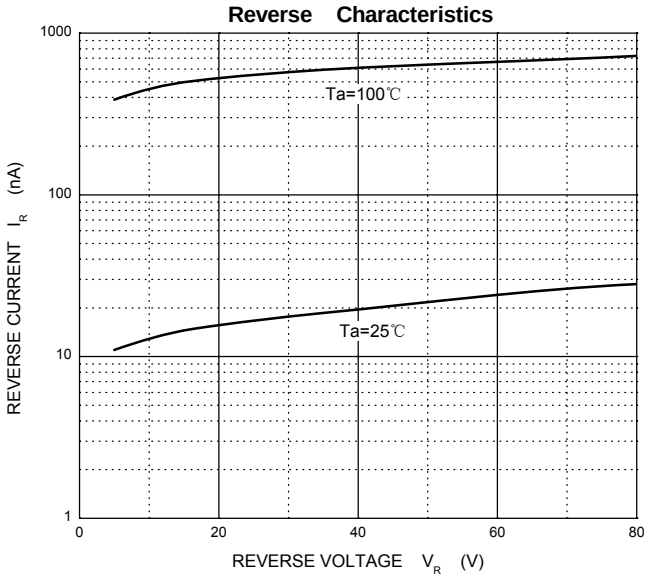
Parameter	Symbol	Limit	Unit
Non-repetitive peak reverse voltage	V_{RM}	90	V
DC blocking voltage	V_R	80	V
Peak forword current	I_{FM}	225	mA
Average rectified output current	I_O	100	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	2.0	A
Power Dissipation	P_D	200	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	625	℃/W
Operation Junction and Storage Temperature Range	T_J,T_{STG}	-55~+150	℃

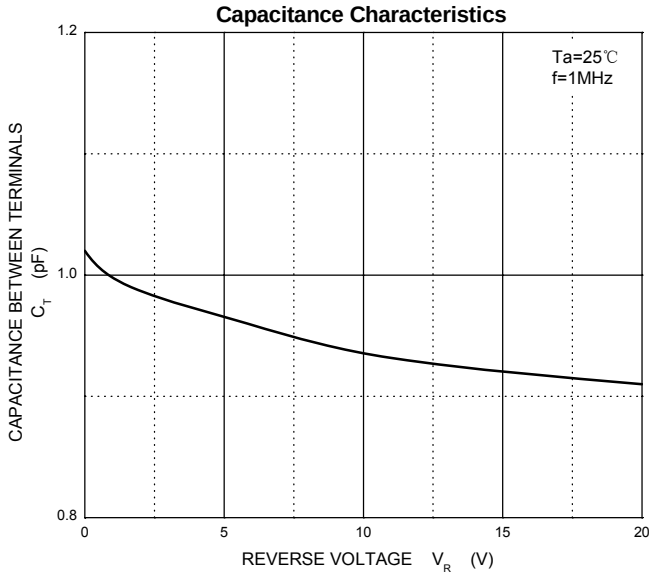
Electrical Ratings @Ta=25℃

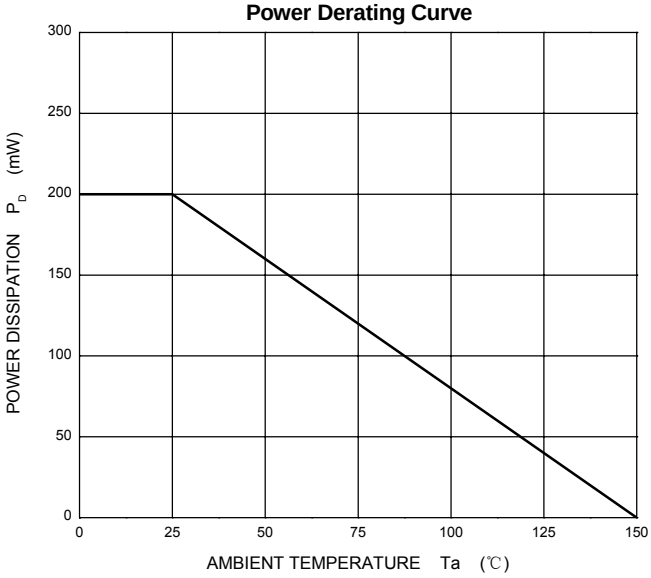
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			1.2	V	I_F=100mA
Reverse current	I_R			0.1	μA	V_R=80V
Capacitance between terminals	C_T			3	pF	V_R=0.5V,f=1MHz
Reverse recovery time	t_{rr}			4	ns	I_F=10mA ,V_R=6V,R_L=100Ω

Typical Characteristics

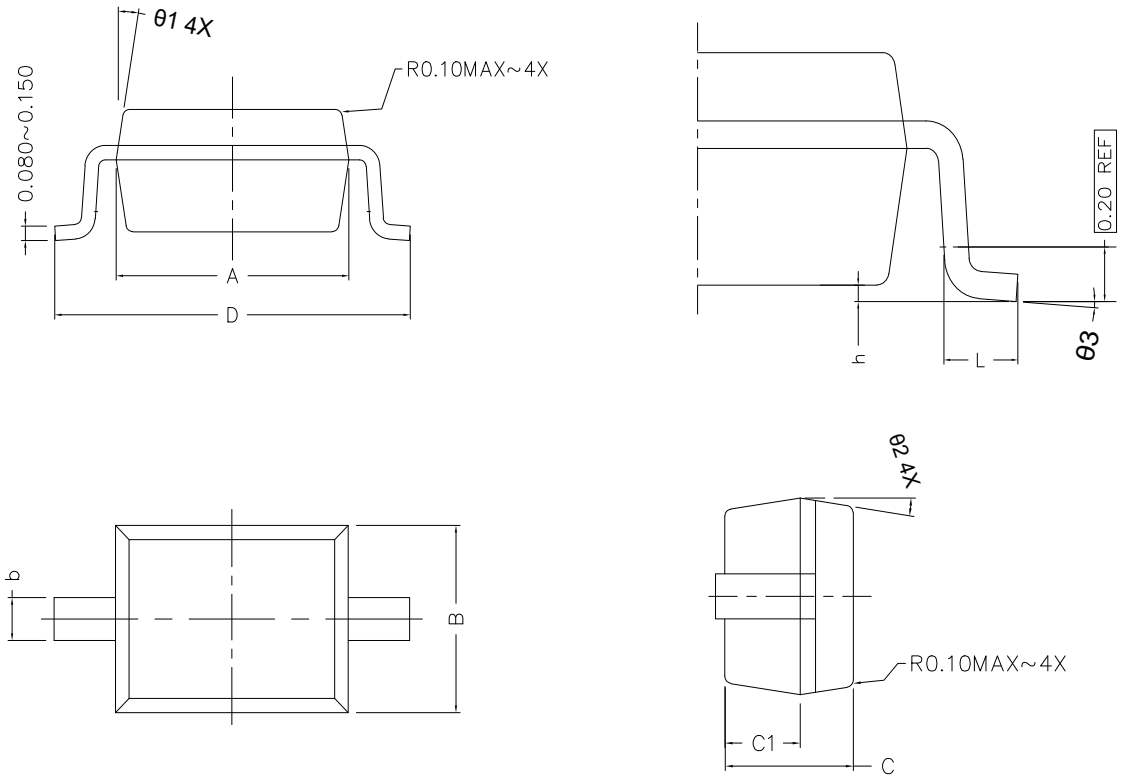








SOD-323 Package Outline Dimensions (Units: mm)



COMMON DIMENSIONS (UNITS OF MEASURE IS mm)			
	MIN	NORMAL	MAX
A	1.600	1.700	1.800
B	1.200	1.300	1.400
C	0.750	0.850	0.950
C1	0.450	0.500	0.550
D	2.450	2.600	2.750
L	0.200	0.300	0.400
b	0.200	0.300	0.400
h	0.010	0.050	0.100
θ1	9° TYPE		
θ2	9° TYPE		
θ3	0° ~ 8°		