

1SS355

SWITCHING DIODE

VOLTAGE	90 Volt	POWER	200 mW
---------	---------	-------	--------

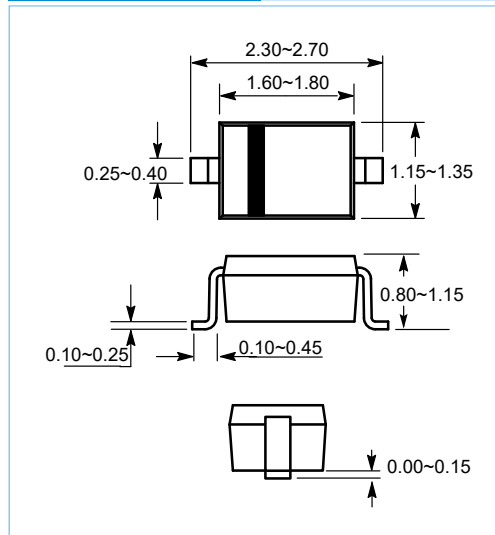
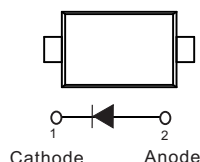
SOD-323 Unit:mm

FEATURES

- Fast Switching Speed
- Low Reverse Current
- Lead free in compliance with EU RoHS
- Marking code: A

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS($T_A = 25^{\circ}\text{C}$ unless otherwise noted)

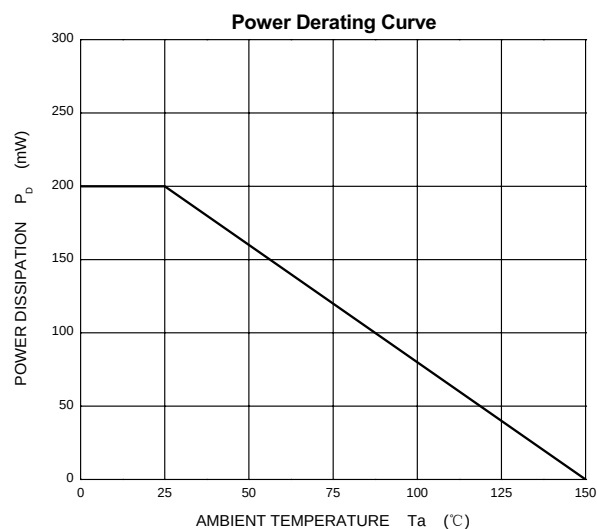
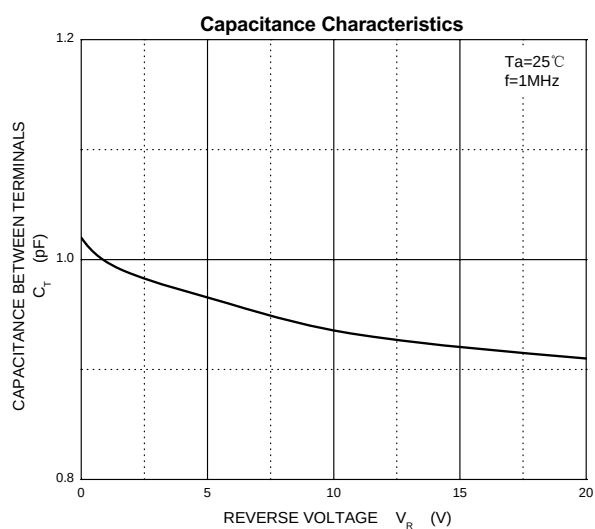
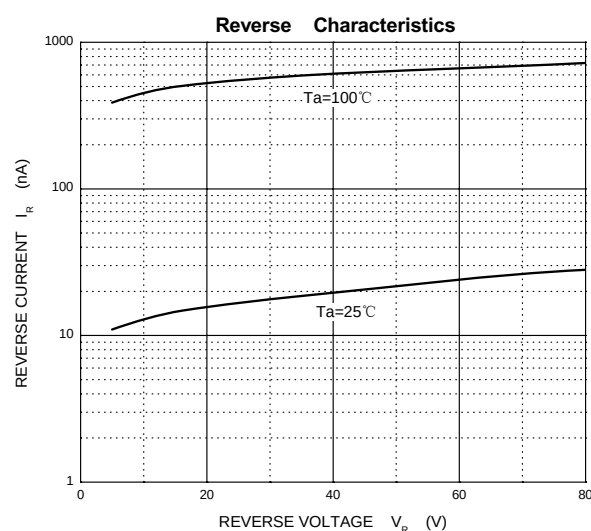
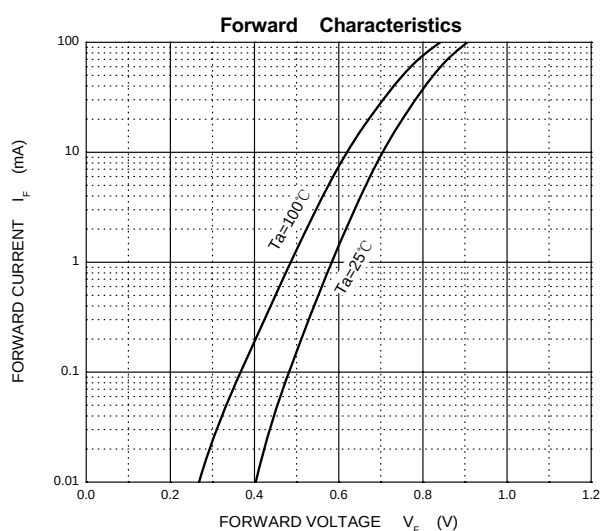
Parameter	Symbol	Value	Units
Peak reverse voltage	V_{RM}	90	V
Reverse voltage	V_R	80	V
Average Rectified Output Current	I_O	100	mA
Non-repetitive Peak Forward surge current @ $t=8.3\text{ms}$	I_{FSM}	2.0	A
Power dissipation	P_D	200	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	625	$^{\circ}\text{C/W}$
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-55 to +150	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS($T_A = 25^{\circ}\text{C}$ unless otherwise noted)

Characteristic	Symbol	Conditions	Min	Typ	Max	Unit
Reverse Leakage	I_R	($V_R = 80\text{ V}$)			0.1	μA
Forward Voltage	V_F	($I_F = 100\text{ mA}$)			1.20	V
Total Capacitance	C_T	($V_R = 0.5\text{ V}$, $f = 1.0\text{ MHz}$)			3.0	pF
Reverse Recovery Time	t_{rr}	$I_F=10\text{mA}$, $V_R=6\text{V}$, $R_L=100\ \Omega$			4.0	ns

1SS355

Typical Characteristics

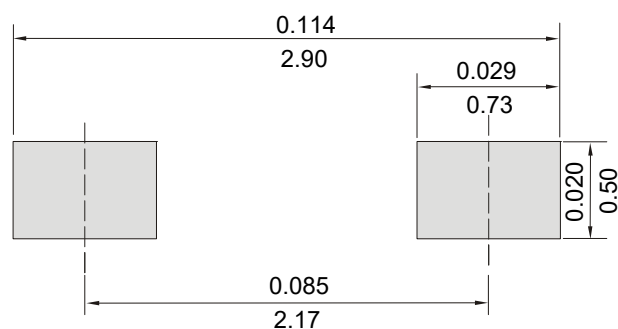


1SS355

MOUNTING PAD LAYOUT

SOD-323

Unit:Inch(mm)



ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
1SS355	SOD-323	7 Inch	3000