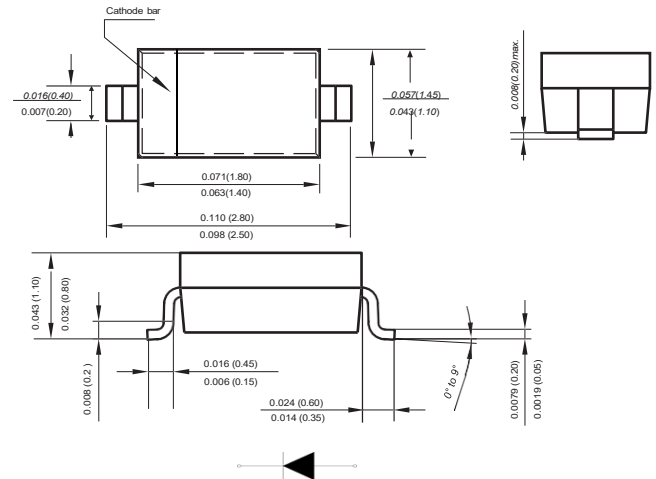


FAST SWITCHING DIODES

Features

- ◆ Small surface mounting type.(UMD2)
- ◆ High speed.($t_n=1.2\text{ns}$ typ.)
- ◆ High reliability with high surge current
- ◆ handling capability.

SOD_323



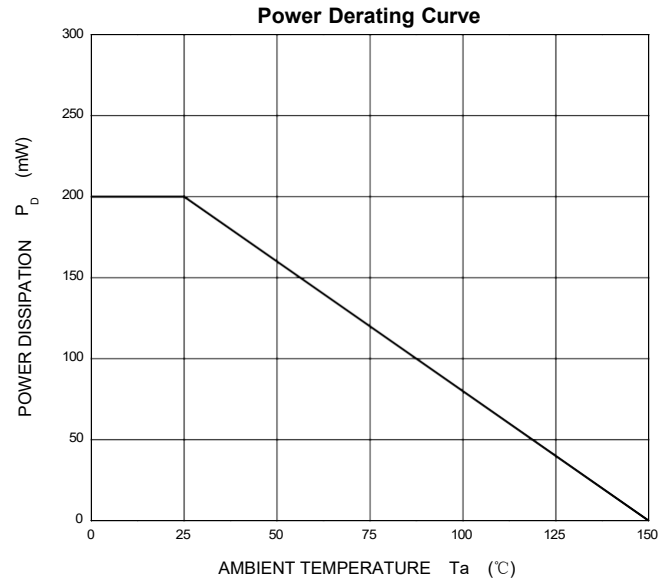
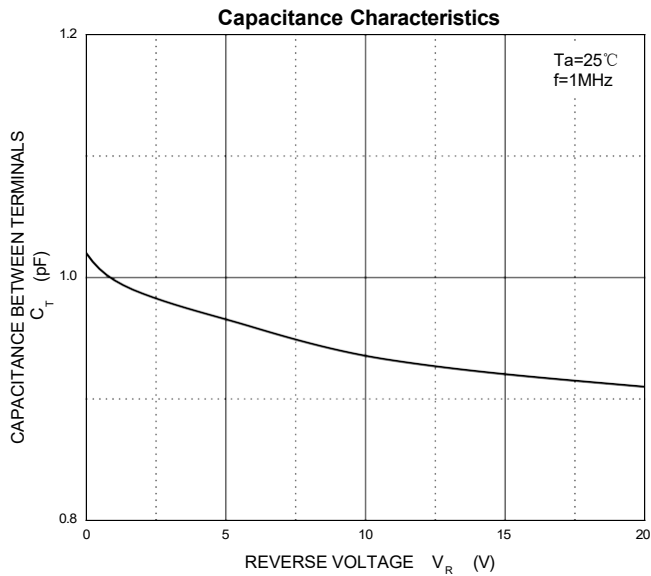
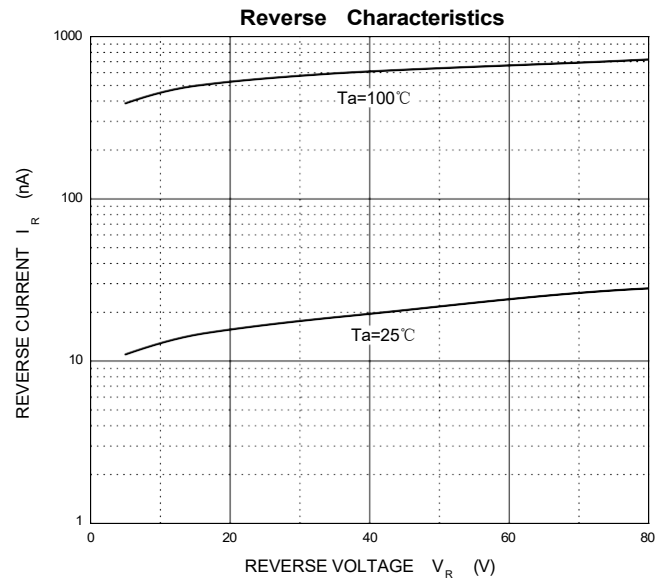
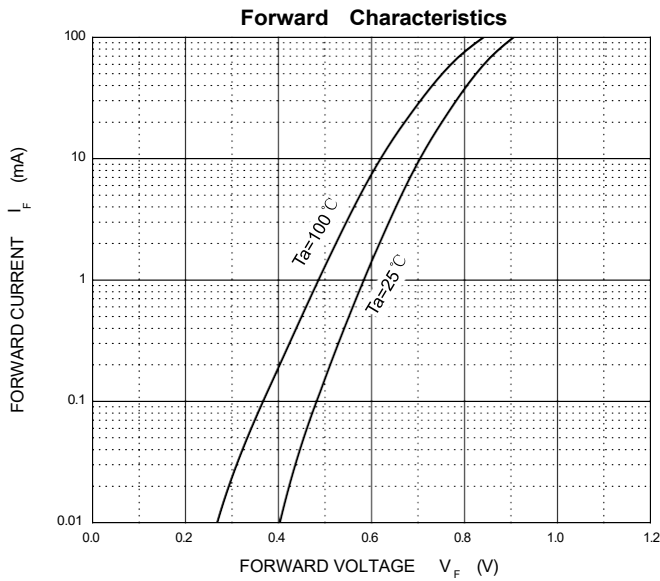
Dimensions in inches and (millimeters)

PARAMETER	SYMBOLS	1SS355	UNITS
DC blocking voltage	V_R	80	V
Peak forward current	I_{FM}	225	mA
Average rectified output current	I_o	100	mA
Surge current (1s)	I_{Surge}	500	mA
Junction temperature	T_J	125	°C
Storage temperature	T_{STG}	-55 to +125	°C
Non-repetitive peak reverse voltage	V_{RM}	90	V

Characteristics at Ta= 25 °C

PARAMETER	SYMBOLS	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	$V_R=0.5, f=1.0MHz$
Reverse recovery time	t_{rr}			4	ns	$I_F=10mA, V_R=6V, R_L=100\Omega$

Typical Characteristics



The curve above is for reference only.