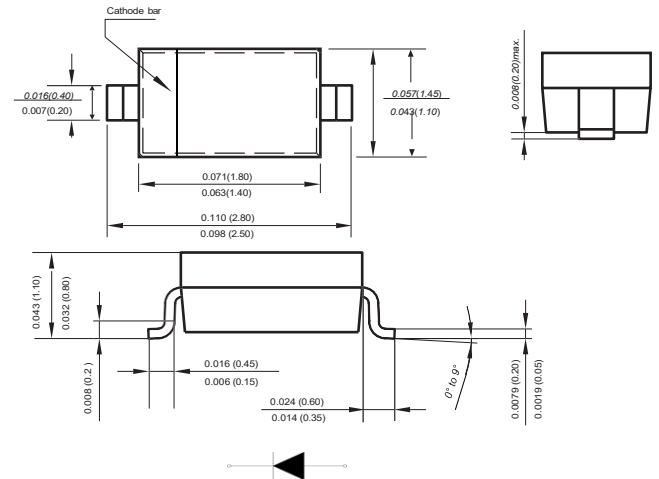


FAST SWITHING DIODES

Features

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

SOD-323



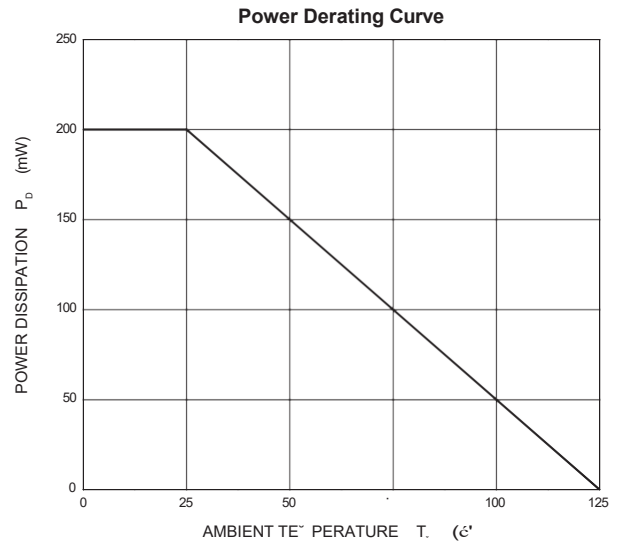
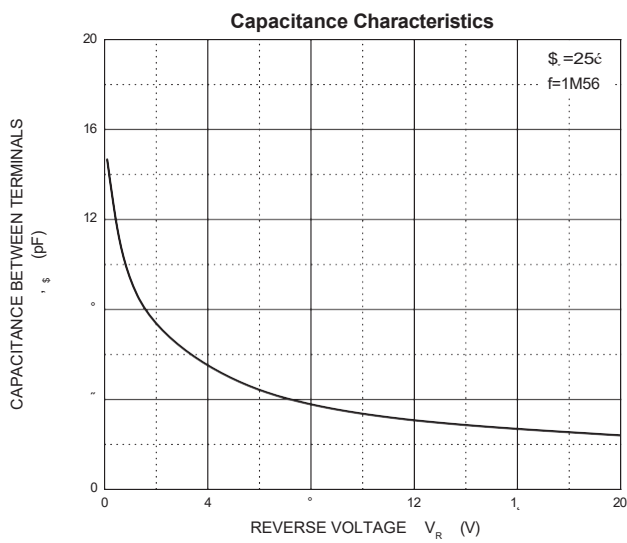
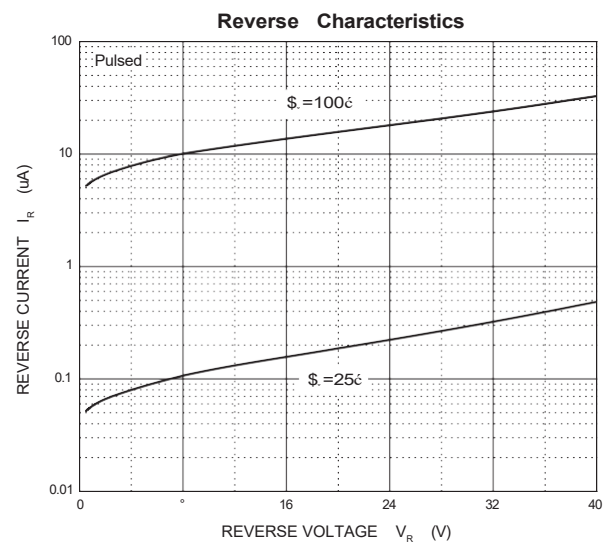
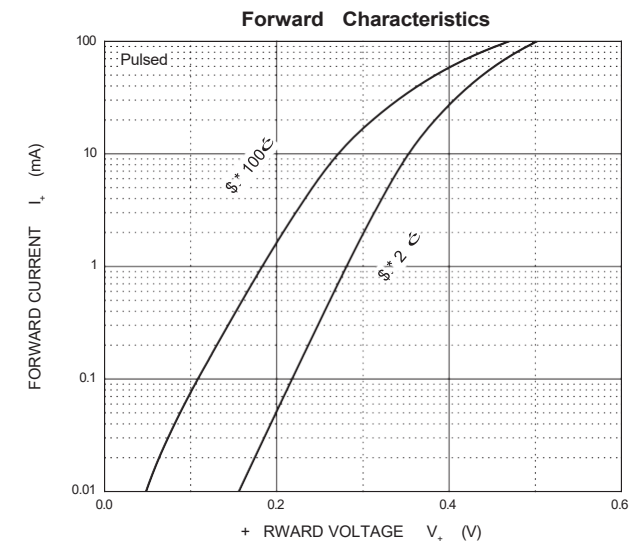
Dimensions in inches and (millimeters)

PARAMETER	SYMBOLS	1SS357	UNITS
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	V
Mean rectifying current	I_o	0.1	A
Peak forward surge current	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{STG}	-55 to +125	°C

Characteristics at $T_a=25\text{ °C}$

PARAMETER	SYMBOLS	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F		0.28		V	$I_F=1\text{mA}$
			0.36		V	$I_F=10\text{mA}$
				0.6	V	$I_F=100\text{mA}$
Reverse current	I_R			5	uA	$V_R=40\text{V}$
Capacitance between terminals	C_T			25	pF	$V_R=0, f=1.0\text{MHz}$

Typical Characteristics



The curve above is for reference only.