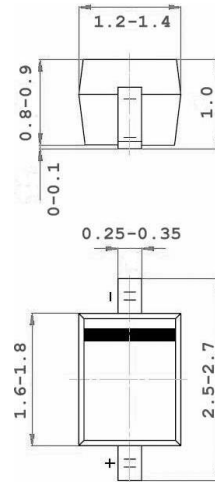


SWITCHING DIODE

 VOLTAGE RANGE: 80 VOLTS
 CURRENT: 100mA

FEATURES

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

MARKING: A
SOD-323


UNIT:mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Limits	UNITS
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 (1s)	I_{surge}	500	mA
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55~+125	°C

ELECTRICAL RATINGS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Forward Voltage	V_F	$I_F=100\text{mA}$			1.2	V
Reverse Current	I_R	$V_R=80\text{V}$			0.1	μA
Capacitance between Terminals	C_T	$V_R=0.5\text{V}, f=1\text{MHz}$			3	pF
Reverse Recovery Time	t_{rr}	$I_F=10\text{mA}, V_R=6\text{V}, R_L=100\Omega$			4	ns

www.s-manuals.com