SWITCHING DIODE

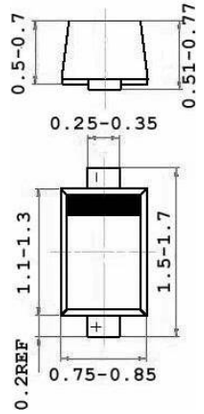
VOLTAGE RANGE: 30 VOLTS
CURRENT: 200mA

FEATURES

- Low Power Rectified
- Silicon Epitaxial Type
- High reliability

MARKING: S2

SOD-523





UNIT:mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Limits	UNITS
Non-Repetitive Peak Reverse Voltage	V_{RM}	30	V
DC Blocking Voltage	V_R	30	V
Peak Forward Current	I_{FM}	500	mA
Average Rectified Output Current	I_O	200	mA
Surge Current (1s)	I_{surge}	2	A
Junction Temperature	T_J	150	℃
Storage Temperature	T_{STG}	-55~+150	℃

ELECTRICAL RATINGS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Forward Voltage	V_{F1}	I_F=10mA			0.4	V
	V_{F2}	I_F=30mA			0.5	V
Reverse Current	I_R	V_R=30V			1	μA
Capacitance between terminals	C_T	V_R =1V, f=1MHz			10	pF
Reverse Recovery Time	t_{rr}	I_F=10mA, I_{RR}=1mA, R_L=100Ω			5	ns