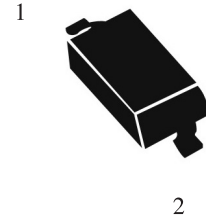
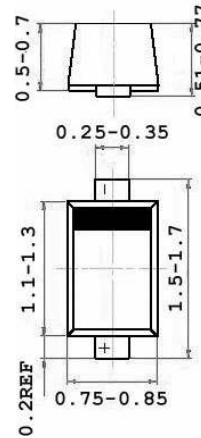


SCHOTTKY DIODE
FEATURES

- Small Package
- Low Forward Voltage: $V_F = 0.23V$ (typ) @ $I_F=5mA$

MARKING: S4
SOD-523

1. ANODE
2. CATHODE



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}	15	V
Peak Repetitive Peak Reverse Voltage	V_{RRM}	10	V
Working Peak	V_{RWM}		
DC Blocking Voltage	V_R		
Forward Continuous Current	I_{FM}	200	mA
Average Rectified Output Current	I_O	100	mA
Power Dissipation	P_d	150	mW
Peak Forward Surge Current @=10ms	I_{FSM}	1	A
Junction Temperature	T_J	125	°C
Storage Temperature Range	T_{STG}	-55~+125	°C
Operating Temperature Range	T_{OPR}	-40~+100	°C

ELECTRICAL RATINGS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Reverse Breakdown Voltage	$V_{(BR)R}$	$I_R = 100\mu A$	10			V
Forward Voltage	V_{F1}	$I_F = 1mA$		0.18		V
	V_{F2}	$I_F = 5mA$		0.23	0.30	V
	V_{F3}	$I_F = 100mA$		0.35	0.50	V
Reverse Current	I_R	$V_R = 10V$			20	μA
Capacitance between Terminals	C_T	$V_R = 0V, f = 1MHz$		20	40	pF

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