

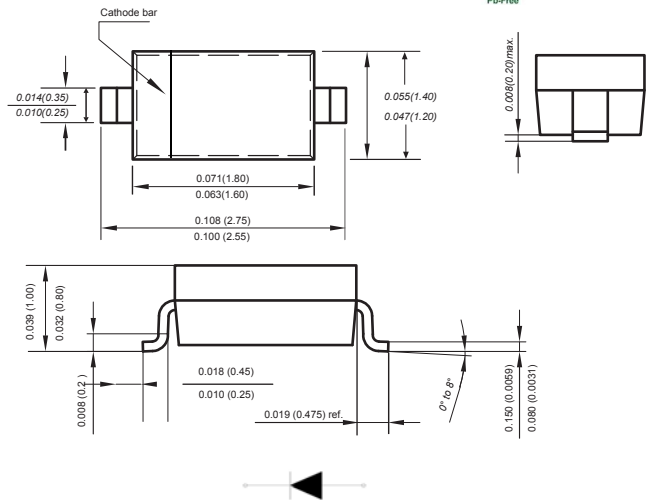
FEATURES

- Ultra high-speed switching
- Very low forward voltage
- Guard ring protected
- Very small SMD plastic package

APPLICATIONS

- Ultra high-speed switching
- Voltage clamping
- Protection circuits.

SOD-323
RoHS
COMPLIANT

Pb
Pb-Free


Marking: A4

Dimensions in inches and (millimeters)

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
continuous reverse voltage	V_R	20	V
continuous forward current	I_F	1	A
Forward Surge Current	I_{FSM}	5	A
Total Power Dissipation	P_{tot}	350	mW
Junction temperature	T_j	125	°C
Storage temperature range	T_{stg}	-65 to +150	°C

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Conditions	Typ.	Max.	Unit
Forward voltage	V_F	$I_F=10mA$	240	270	mV
		$I_F=100mA$	300	350	
		$I_F=1A$	480	550	
Reverse current	I_R	$V_R=5v$	5	10	μA
		$V_R=8v$	7	20	
		$V_R=15v$	10	50	
Capacitance between terminals	C_d	$V_R=5v, f=1MHz$	19	25	pF

TYPICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

