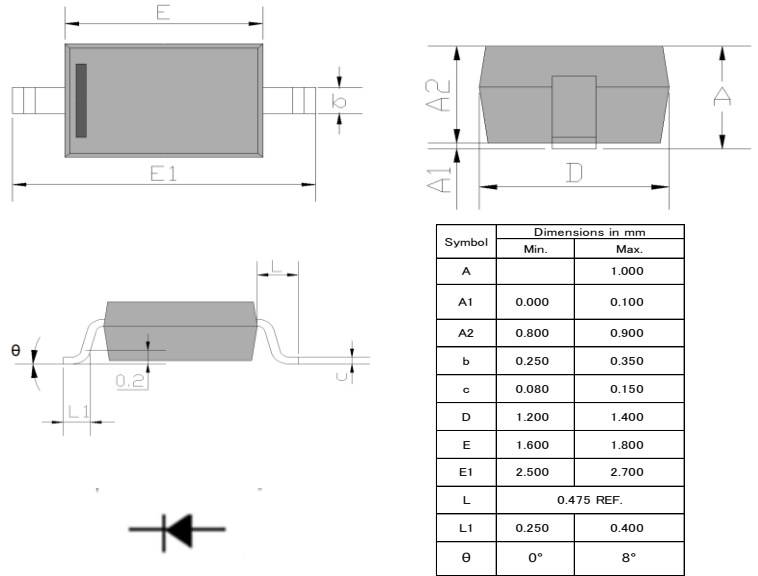




Features

Low Forward Voltage Schottky Rectifier
ESD Protection, IEC61000-4-2 Level 4
RoHS compliant / Green EMC
SOD323-GW Thin SMD package
Matte Tin (Sn) Lead finish
Cathode Band / Device marking

SOD-323



Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
P_{PK}	Peak Power Dissipation	350	W
$I_{PP *1}$	Maximum Reverse Peak Pulse Current	24	A
$V_{ESD-Air}$	ESD Voltage IEC61000-4-2 Air	±25	kV
$V_{ESD-contact}$	ESD Voltage IEC61000-4-2 Contact	±10	kV
T_J	Junction Temperature	150	°C
T_L	Lead Temperature	260	°C
T_{STG}	Storage Temperature	-55 to +150	°C
P_D	Power Dissipation	150	mW

*1 $t_p = 8/20 \mu s$

Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
V_{RWM}	Reverse Working Peak Voltage	—			5.0	V
V_{BR}	Reverse Breakdown Voltage	$I_T = 1mA$	6.2		7.3	V
I_R	Reverse Current	$V_{RWM} = 5V$			10	μA
V_F	Forward Voltage	$I_F = 10mA$			0.9	V
V_C	Clamping Voltage	$I_{PP} MAX, t_p = 8/20 \mu s$			14.5	V
C_D	Diode Capacitance	$V_R = 0V, f = 1MHz$		215		pF

Rating and Characteristic Curves (TA = 25°C Unless otherwise noted)
SD05

