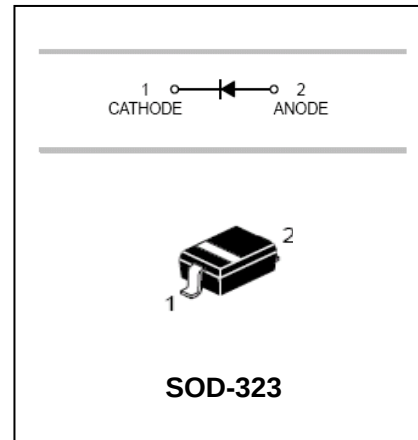


Surface Mount Schottky Barrier Diodes

1N5711WS

FEATURES

- Low Forward Voltage Drop
- Fast Switching Speed
- Low Capacitance
- Surface Mount Package Ideally Suited For Automatic Insertion
- Also Available in Lead Free Version



ORDERING INFORMATION

Type No.	Marking	Package Code
1N5711WS	SA	SOD-323

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Peak repetitive peak reverse voltage	V_{RRM}	70	V
Working peak reverse voltage	V_{RWM}		
DC Reverse Voltage	V_R		
RMS reverse voltage	$V_{R(RMS)}$	49	V
Forward Continuous Current	I_F	15	mA
Power Dissipation	P_d	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	650	°C/W
Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +150	°C

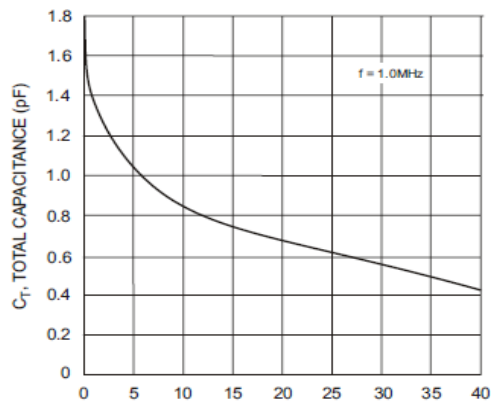
ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Min	Max	Unit	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	70	-	V	$I_R=10\mu A$
Forward Voltage	V_F	-	0.41 1	V	$I_F=1.0mA$ $I_F=15mA$
Reverse Current	I_R	-	200	nA	$V_R=50V$
Capacitance between terminals	C_T	-	2	pF	$V_R=0, f=1.0MHz$
Reverse Recovery Time	t_{rr}	-	1	ns	$I_F=I_R=10mA, I_{rr}=0.1 \cdot I_R$ $R_L=100\Omega$

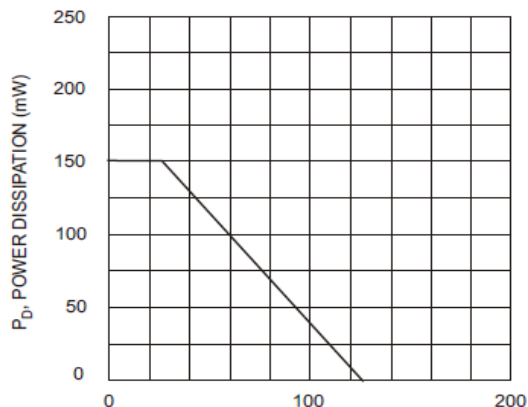
Surface Mount Schottky Barrier Diodes

1N5711WS

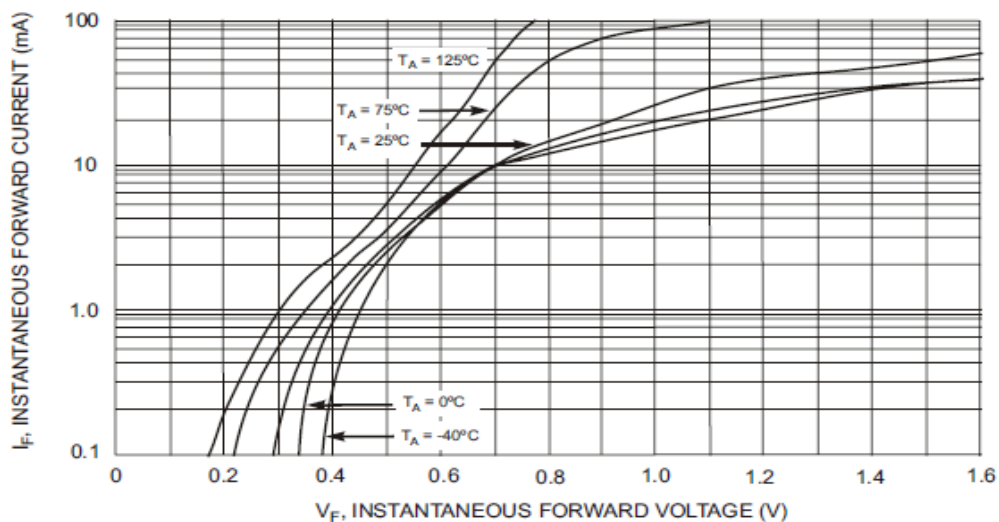
TYPICAL CHARACTERISTICS @ $T_A=25^\circ\text{C}$ unless otherwise specified



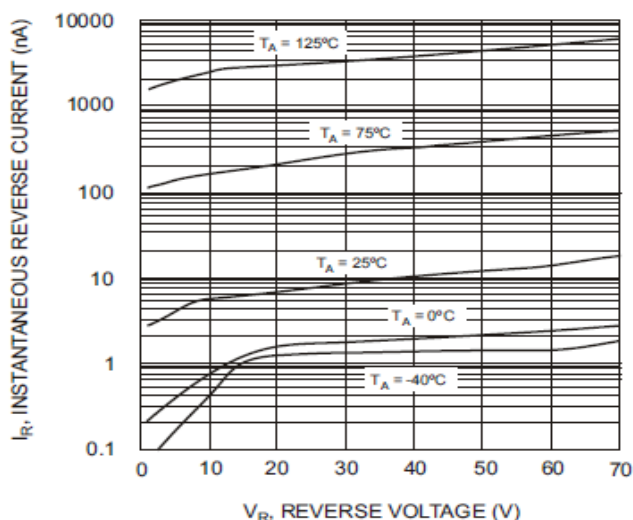
V_R , REVERSE VOLTAGE (V)
Fig. 3 Typical Capacitance



T_A , AMBIENT TEMPERATURE ($^\circ\text{C}$)
Fig. 4 Power Derating Curve



V_F , INSTANTANEOUS FORWARD VOLTAGE (V)
Fig. 1 Typical Forward Characteristics



V_R , REVERSE VOLTAGE (V)
Fig. 2 Typical Reverse Characteristics

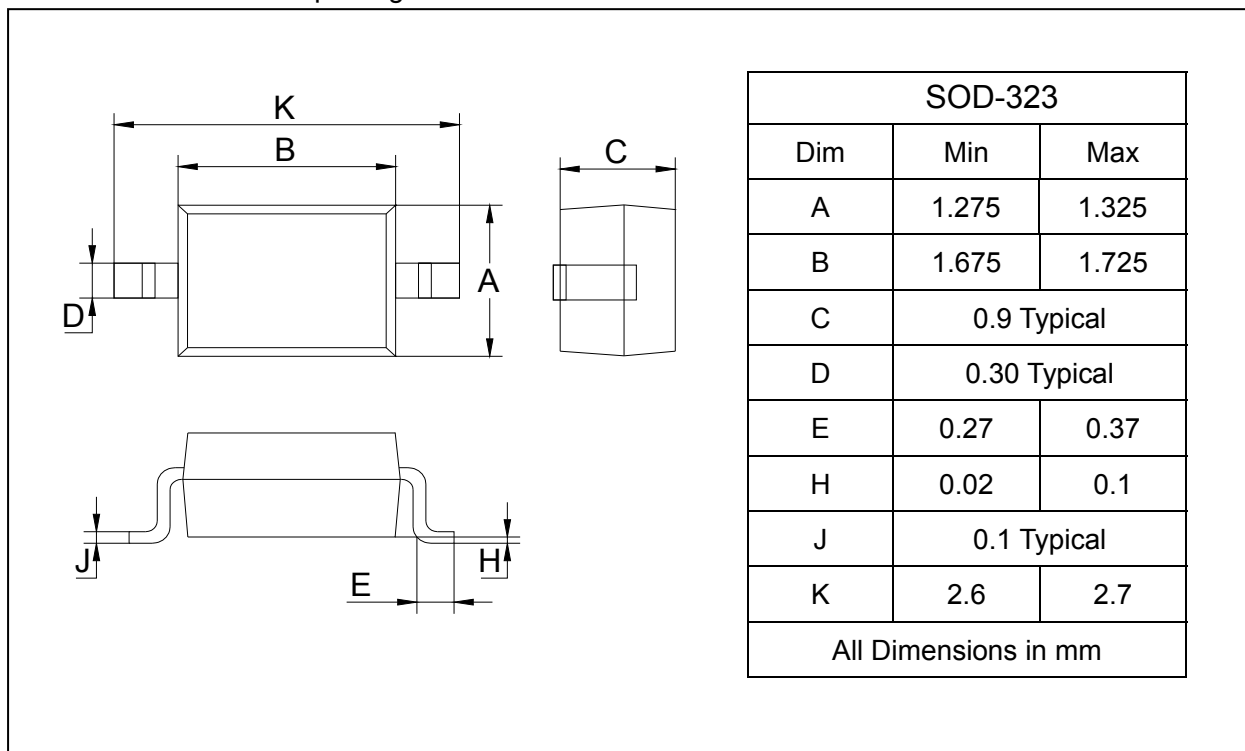
Surface Mount Schottky Barrier Diodes

1N5711WS

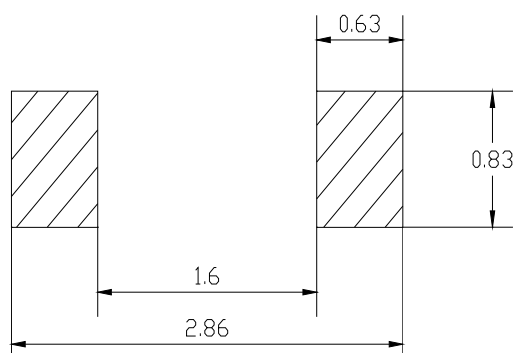
PACKAGE OUTLINE

Plastic surface mounted package

SOD-323



SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
1N5711WS	SOD-323	3000/Tape&Reel