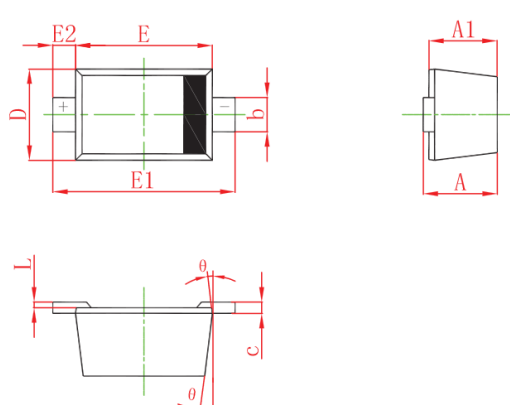


Schottky Barrier Diode

Primary characteristics			
Parameter	Symbol	Value	Unit
Reverse voltage	V_{RM}	30	V
Rectifying current	I_o	200	mA

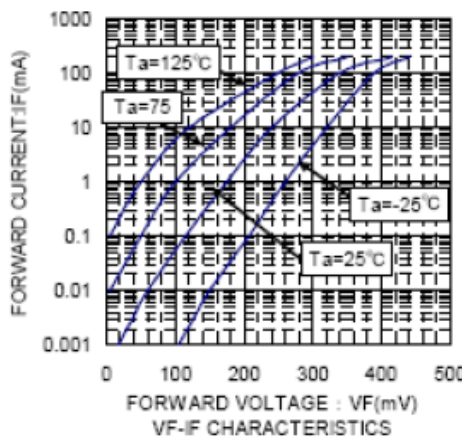
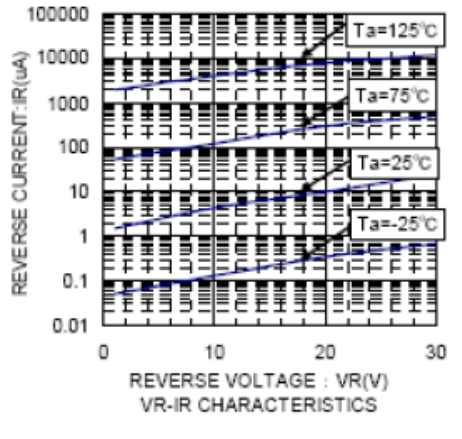
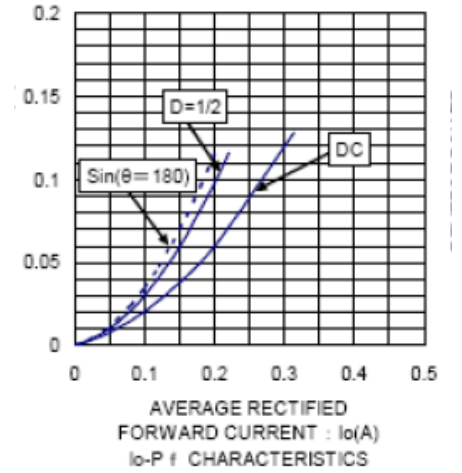
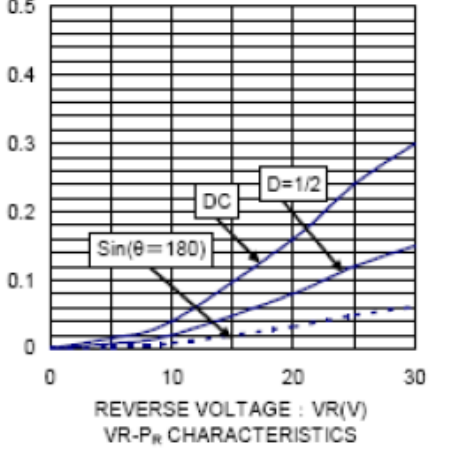
Features

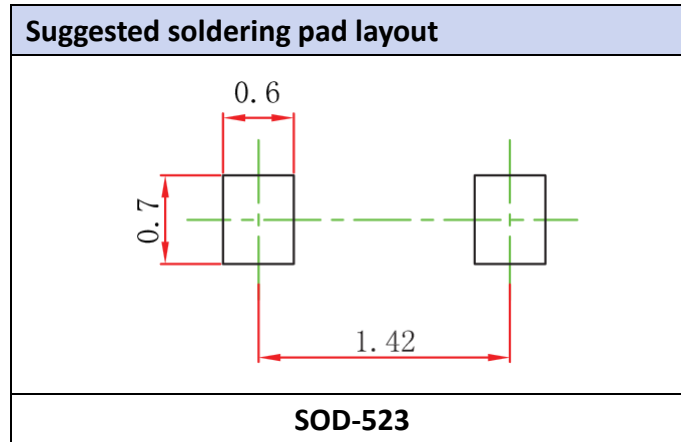
- **SOD-523** case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- Low current rectification and high speed switching

Case dimensions										
										
SOD-523										
Unit	A	A1	b	c	D	E	E1	E2	L	K
mm	0.64 ±0.13	0.6 ±0.1	0.3 ±0.05	0.12 -0.04 +0.03	0.8 ±0.05	1.2 ±0.1	1.6 ±0.1	0.2 REF	0.04 ±0.03	7° REF

Maximum ratings and electrical characteristics ($T_a = 25^\circ\text{C}$)			
Characteristics	Symbol	Value	Unit
Peak reverse voltage	V_R	30	V
Rectifying current	I_o	200	mA
Peak forward surge current	I_{FSM}	1	A
Operation junction temperature range	T_J	125	$^\circ\text{C}$
Storage temperature range	T_{stg}	-40 to + 125	$^\circ\text{C}$

Electrical ratings ($T_J=25^\circ\text{C}$)						
Parameter	Symbol	Test conditions	Value			Unit
			Min.	Typ.	Max.	
Forward voltage	V_F	$I_F=200\text{mA}$	-	-	0.50	V
Reverse current	I_R	$V_R=10\text{V}$	-	-	00	μA

Forward characteristics	Reverse characteristics
 <p>FORWARD CURRENT: I_F (mA)</p> <p>FORWARD VOLTAGE : V_F (mV)</p> <p>VF-IF CHARACTERISTICS</p>	 <p>REVERSE CURRENT: I_R (uA)</p> <p>REVERSE VOLTAGE : V_R (V)</p> <p>VR-IR CHARACTERISTICS</p>
Forward power Dissipation (W)	Reverse power dissipation
 <p>AVERAGE RECTIFIED FORWARD CURRENT : I_o (A)</p> <p>I_o-P_f CHARACTERISTICS</p>	 <p>REVERSE VOLTAGE : V_R (V)</p> <p>VR-P_R CHARACTERISTICS</p>



Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
RB521S-30	SOD-523	3000 pcs / reel	---

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