## Schottky Barrier Diode



### RoHS Compliant



#### **Features**

- Power Dissipation of 200mW
- Fast Switching Device (TRR<6nS)</li>
- · Low Forward Voltage Schottky Rectifier
- · High Current Capability
- · Halogen Free

#### **Schematic and PIN Configuration**



**Marking Code** 



#### **Specifications**

Forward Current : 300mA Reverse Voltage : 30V

Terminals : Matte tin plated
Case : SOD323 Package

#### Maximum Ratings (@TA = +25°C, unless otherwise specified.)

#### **Absolute Ratings**

Parameter	Symbol	Value	Unit
Junction Temperature	VRRM	300	V
Forward Rectified Current	lғм	200	mA
Peak Forward Surge Current @ t = 8.3ms	IFSM	600	mA
Power Dissipation	Pb	30	mW
Repetitive Peak Reverse Voltage	TJ	125	°C
Thermal Resistance from Junction to Ambient	Tstg	500	°C
Storage Temperature Range	RθJA	-50 to +150	°C/W

#### **Electrical Characteristics**

Parameter	Test Conditions	Symbol	Min.	Тур.	Max.	Unit
Reverse Voltage	IR = 100μA	VBR	30	-	-	V
Reverse Current	VR= 25V	lr	-	-	2	μA
Forward Voltage	IF = 0.1mA		-	-	0.24	
	IF = 1mA		-	-	0.32	
	IF = 10mA	VF	-	-	0.40	v
	IF = 30mA		-	-	0.50	
	IF = 100mA		-	-	1.00	
Reverse Recovery Time	IF=IR = 10mA, Irr=1mA, RL=100Ω	TRR	-	-	6	pF
Junction Capacitance	VR = 1V, F = 1MHz	Ср	-	-	10	ns

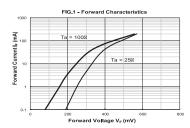
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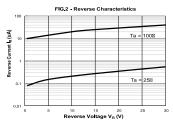


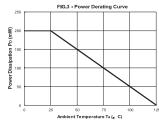
# Schottky Barrier Diode multicomp PRO

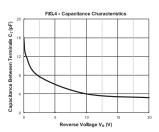


#### **Rating and Characteristic Curves**

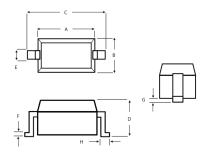






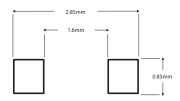


#### Diagram



SOD323 Package				
Dim	Min.	Max.		
Α	1.6	1.8		
В	1.2	1.4		
С	2.5	2.7		
D	-	1.0		
E	0.25	0.35		
F	0.08	0.15		
G	-	0.1		
Н	0.25	0.4		

#### **Soldering Pad Layout**



#### **Part Number Table**

Description **Part Number Dimensions: Millimetres** Schottky Barrier Diode, 30V, 300mA, SOD-323 Tolerance ±0.05mm

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