

**/ Descriptions**

SOD-523  
Schottky Diode in a SOD-523 Plastic Package.

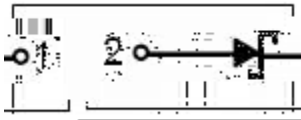
**/ Features**

Low forward voltage drop, HF Product.

**/ Applications**

General purpose.

**/ Equivalent Circuit**

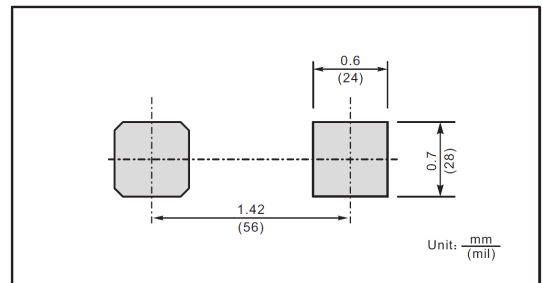


**/ Pinning**



PIN1: Cathode      PIN2: Anode

The recommended mounting pad size



**/ Marking**

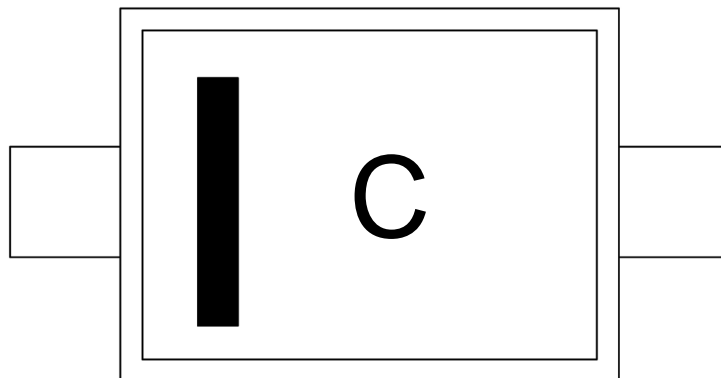
Type number	Marking code
RB521S-30	C

Parameter	Symbol	Rating	Unit
Reverse Voltage	$V_R$	30	V
Forward Continuous Current	$I_F$	200	mA
Non-Repetitive Peak Forward Surge Current @t = 8.3ms	$I_{FSM}$	1	A
Power dissipation	$P_D$		



**RB521S-30**

/ Marking Instructions



C

Note:

C : Product Type Code

(    ) / Temperature Profile for IR Reflow Soldering(Pb-Free)


- |   |           |             |  |
|---|-----------|-------------|--|
| 1 | 150 ~ 180 | 60 ~ 90sec; | Note:<br>1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245±5     | 5±0.5sec;   | 2.Peak Temp.:245±5 , Duration:5±0.5sec.        |
| 3 | 2 ~ 10    | /sec.       | 3. Cooling Speed: 2~10 /sec.                   |

/ Resistance to Soldering Heat Test Conditions

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec
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