

/ Descriptions

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

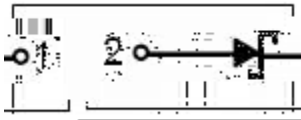
/ Features

Low forward voltage drop, HF Product.

/ Applications

General purpose.

/ Equivalent Circuit

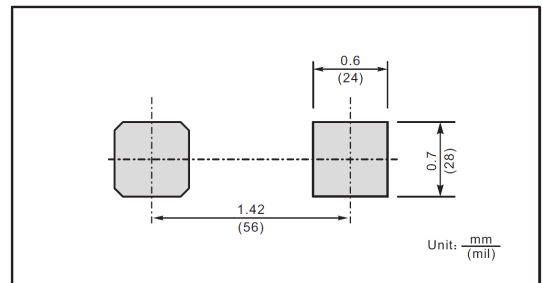


/ Pinning



PIN1: Cathode PIN2: Anode

The recommended mounting pad size

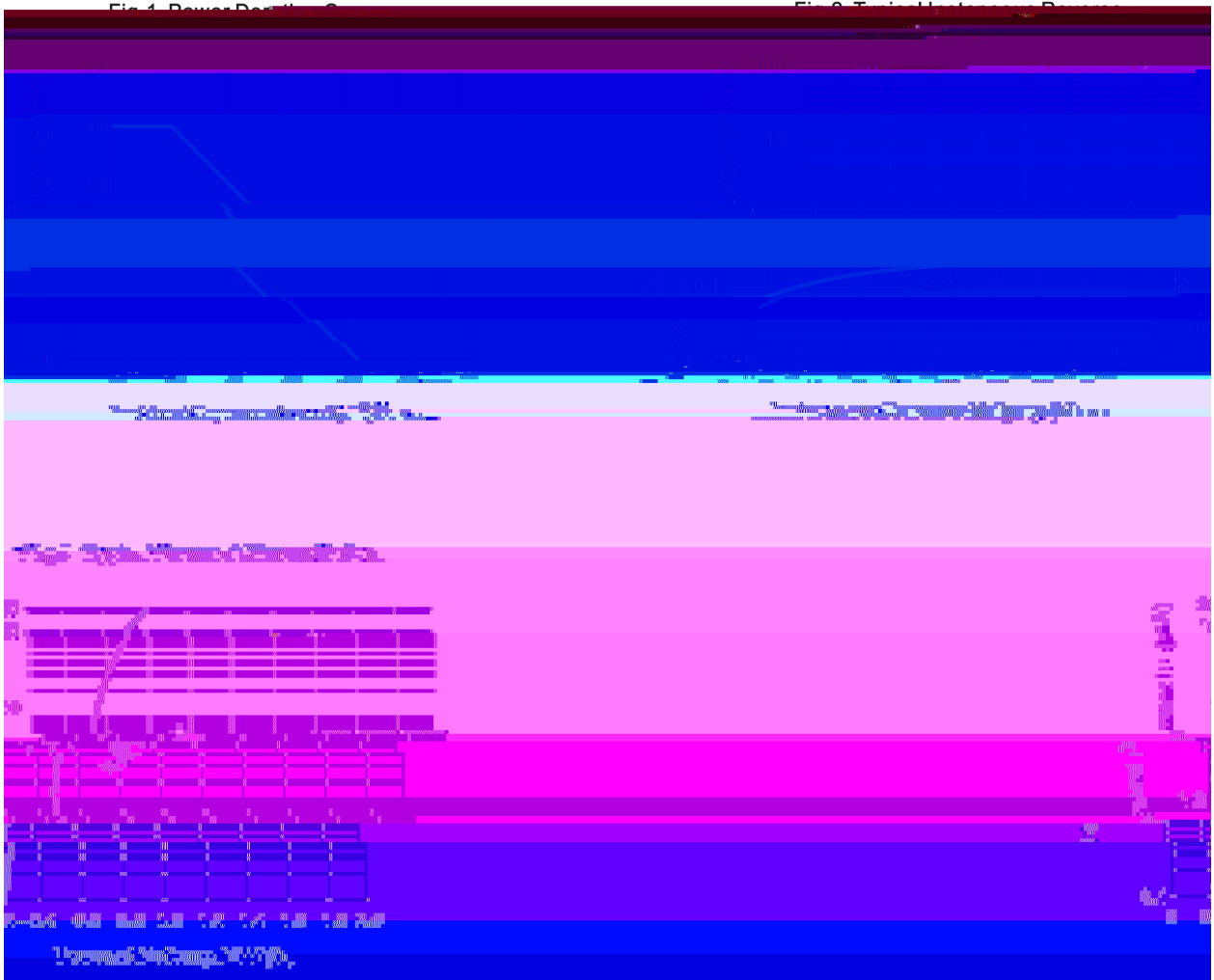


/ Marking

Type number	Marking code
RB521S-30	C

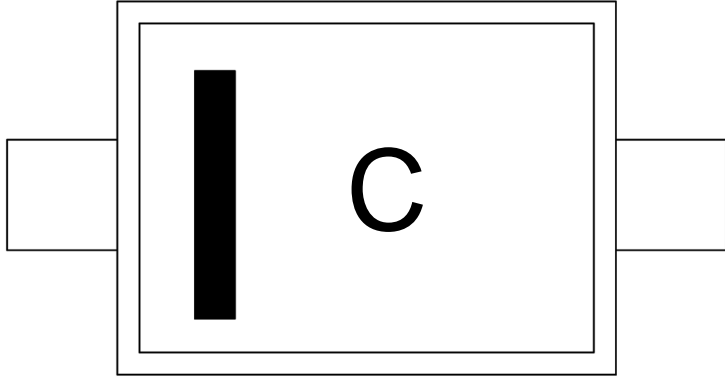
Parameter	Symbol	Rating	Unit
Reverse Voltage	V_R	30	V
Forward Continuous Current	I_F	200	mA
Non-Repetitive Peak Forward Surge Current @t = 8.3ms	I_{FSM}	1	A
Power dissipation	P_D		

/ **Electrical Characteristic Curve**



RB521S-30

/ Marking Instructions



C

Note:

C : Product Type Code

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

- | | | | |
|---|-----------|-------------|--|
| 1 | 150 ~ 180 | 60 ~ 90sec; | Note:
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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