

/ Descriptions

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

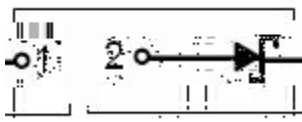
/ Features

Low forward voltage drop,HF Product.

/ Applications

General purpose.

/ Equivalent Circuit

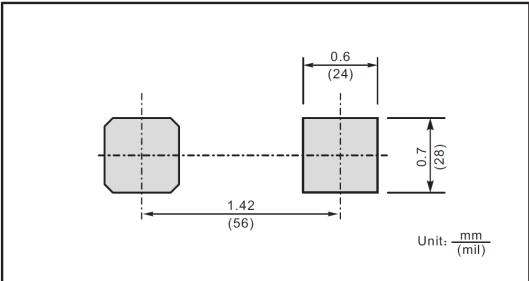


/ Pinning



PIN1: Cathode PIN2: Anode

The recommended mounting pad size



/ Marking

Type number	Marking code
RB521S-30	C

RB521S-30

Rev.D Dec.-2024

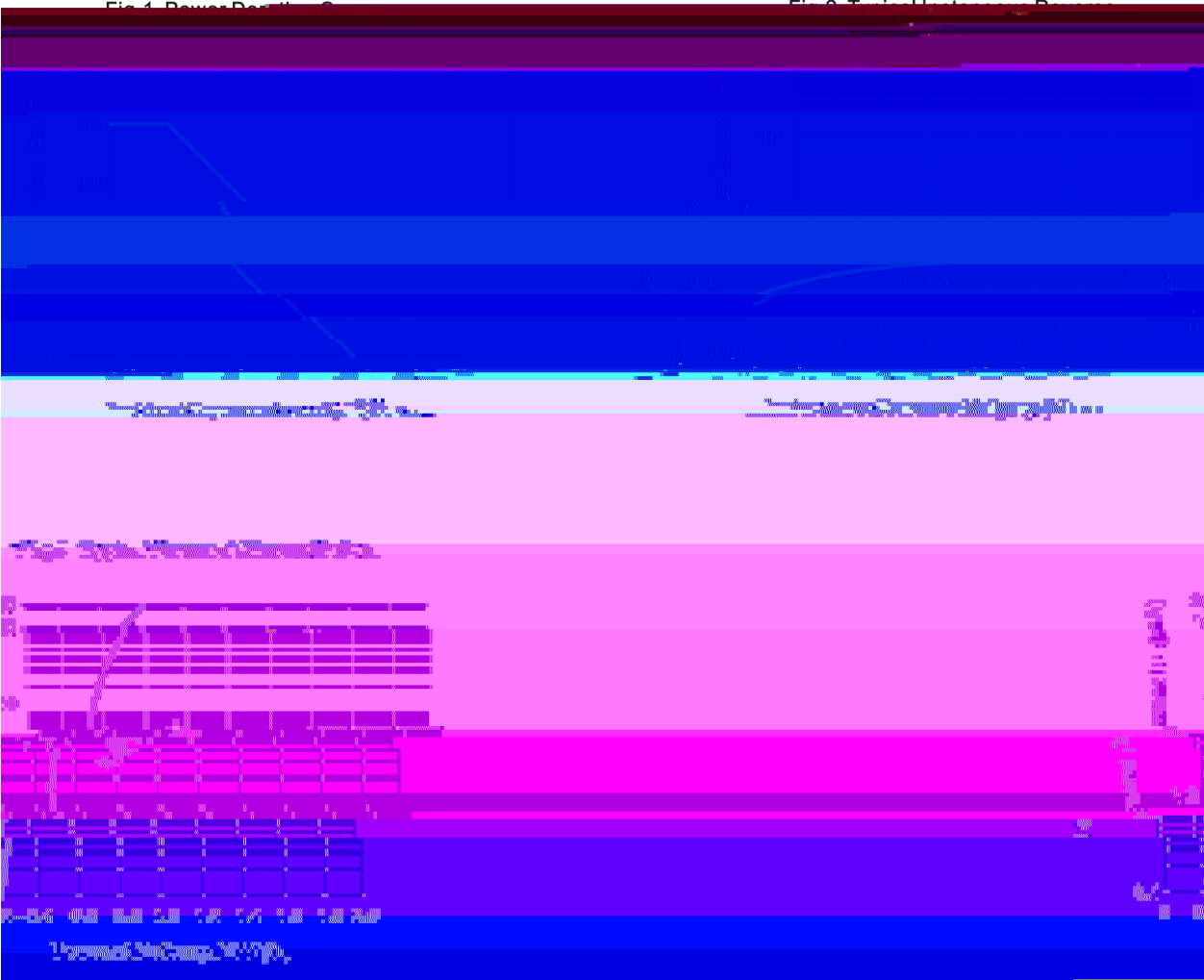


蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

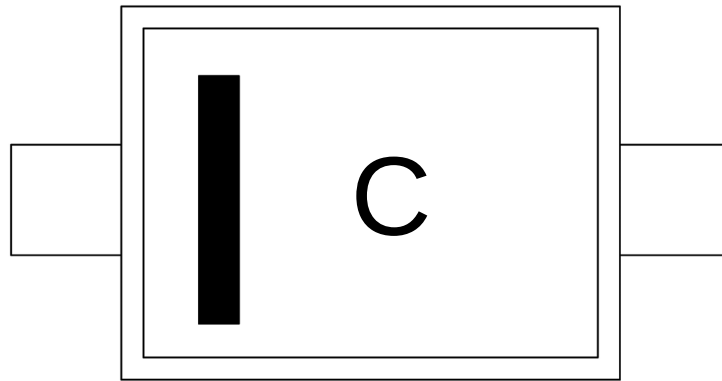
Parameter	Symbol	Rating	Unit
Reverse Voltage	V_R	30	V
Forward Continuous Current	I_F	200	mA
Non-Repetitive Peak Forward Surge Current @t = 8.3ms	I_{FSM}	1	A
Power dissipation	P_D		

/ 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;
- 2

245±5

5±0.5sec;
- 3

2 10

/sec.
- Note:

1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec