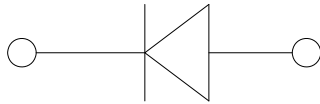
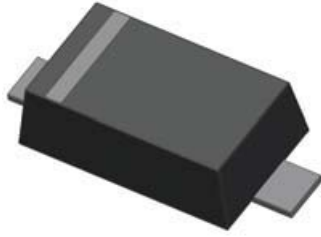


RB521S-30

Schottky Barrier Diode



Features

- V_R 30V
- I_F 200mA

Typical Applications

- Low Forward Voltage Drop

Mechanical Data

- **Package:** SOD523
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** C

■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	Limit Max
Power Dissipation	P_D	mW		150
Storage Temperature	T_{STG}	°C		-40 to +125
Junction Temperature	T_J	°C		125
DC Reverse Voltage	V_R	V		30
Average Rectified Forward Current	I_{FAV}	mA		200
Peak Forward Surge Current	I_{FSM}	A	8.3ms single half sine-wave	1.0

■ Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Breakdown Voltage	V_R	V	$I_R=500\mu\text{A}$	30		
Forward Voltage	V_F	V	$I_F=200\text{mA}$			0.5
Reverse Leakage Current	I_R	μA	$V_R=10\text{V}$			30
Junction Capacitance	C_J	pF	$F=1.0\text{MHz}, V_R=1\text{V}$		10	20



RB521S-30

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
RB521S-30	F2	Approximate 0.0025	8000	80000	320000	7" reel

Characteristics(Typical)

Fig.1 Forward Characteristics

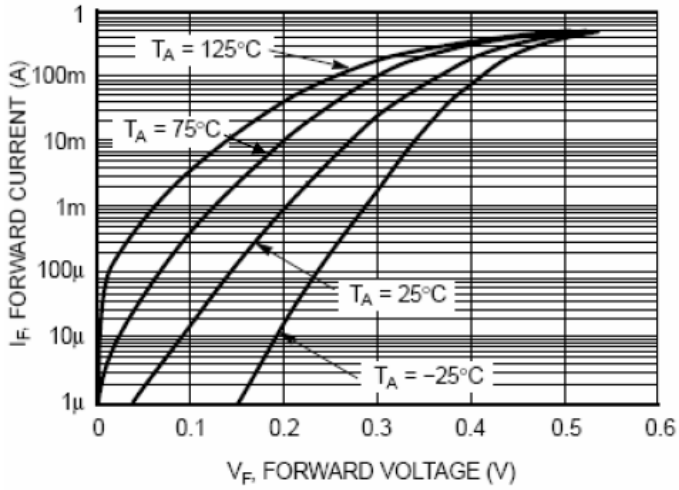
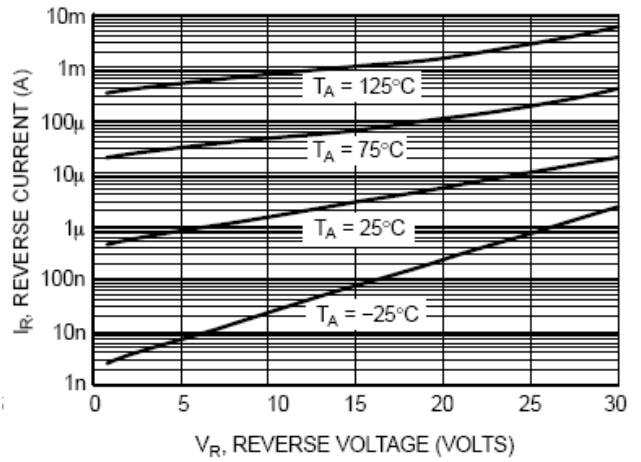
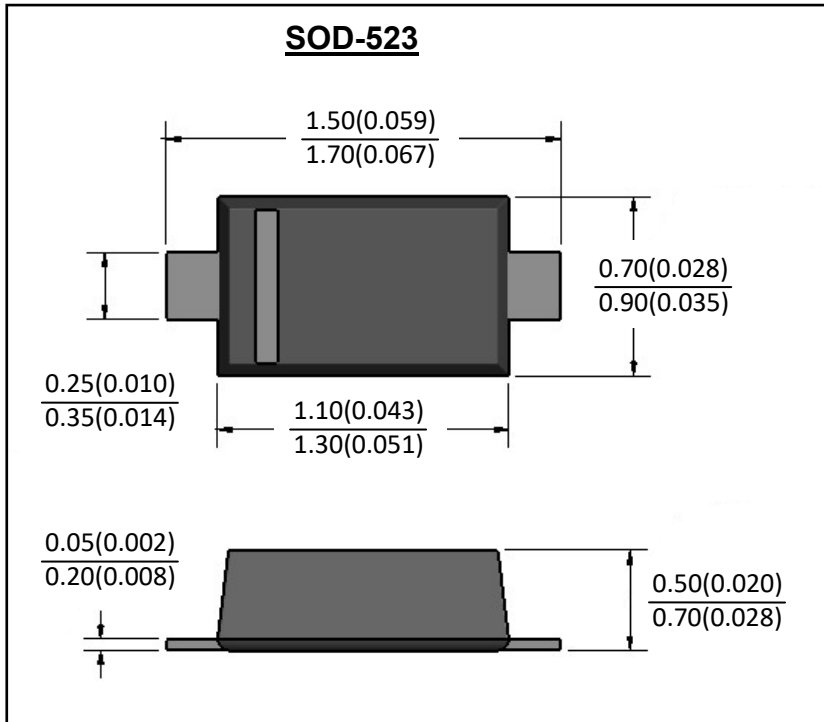


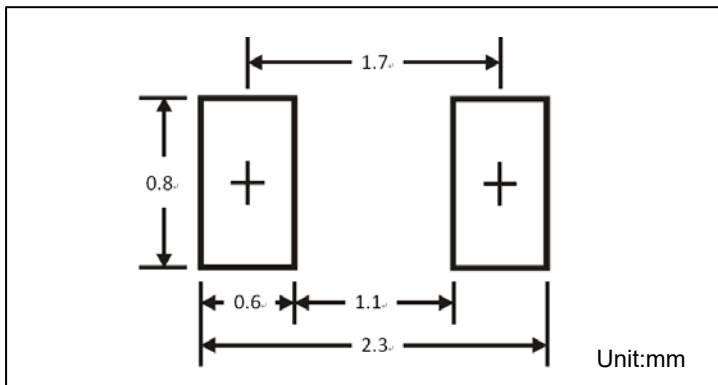
Fig.2 Reverse Characteristics



■ Outline Dimensions



■ Soldering Footprint





RB521S-30

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