



DESCRIPTION

The RB521BS-30 is available in SOD-882 package

FEATURES

- Extremely small surface mounting type. (SOD-882)
- Low V_F
- High reliability.
- Available in SOD-882 package

ORDERING INFORMATION

Package Type	Part Number
SOD-882	RB521BS-30
Note	SPQ: 10,000pcs/Reel
AiT provides all RoHS Compliant Products	

APPLICATIONS

- Low current rectification

PIN DESCRIPTION



CONSTRUCTION

- Silicon epitaxial planar



ABSOLUTE MAXIMUM RATINGS

T_A=25°C

V _R , Reverse voltage (DC)	30V
I _O , Average Rectified Forward Current	100mA
I _{FSM} , Forward Current Surge Peak (60Hz· 1cyc)	500mA
T _J , Junction Temperature	125°C
T _{STG} , Storage Temperature	-40°C~+125°C

Stresses above may cause permanent damage to the device. These are stress ratings only and functional operation of the device at these or any other conditions beyond those indicated in the Electrical Characteristics are not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

ELECTRICAL CHARACTERISTICS

T_A=25°C

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =200mA	-	-	0.5	V
Reverse Current	I _R	V _R =10V	-	-	30	μA



ELECTRICAL CHARACTERISTIC CURVES

Figure 1. V_F - I_F CHARACTERISTICS

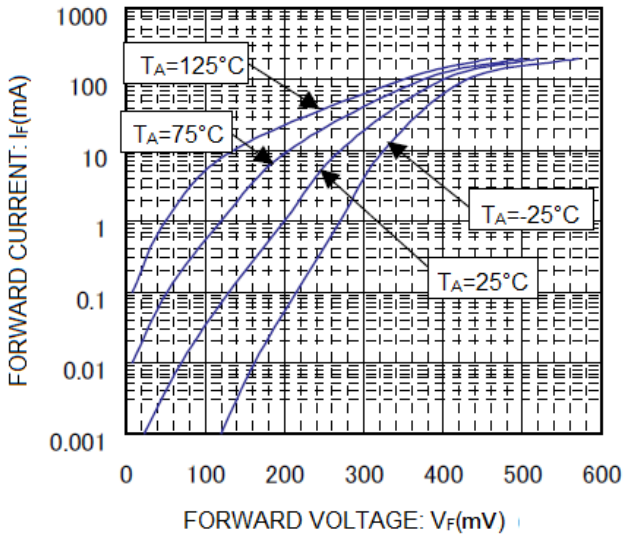


Figure 2. V_R - I_R CHARACTERISTICS

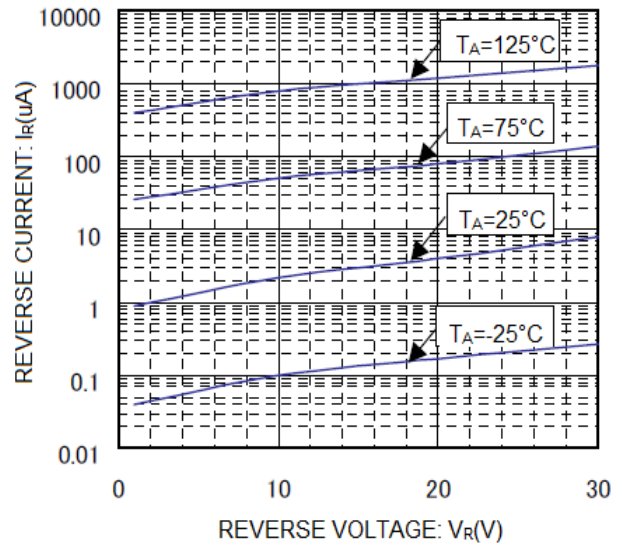
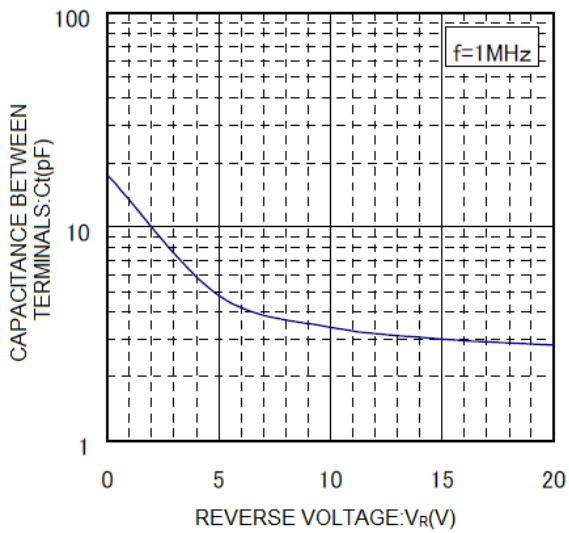


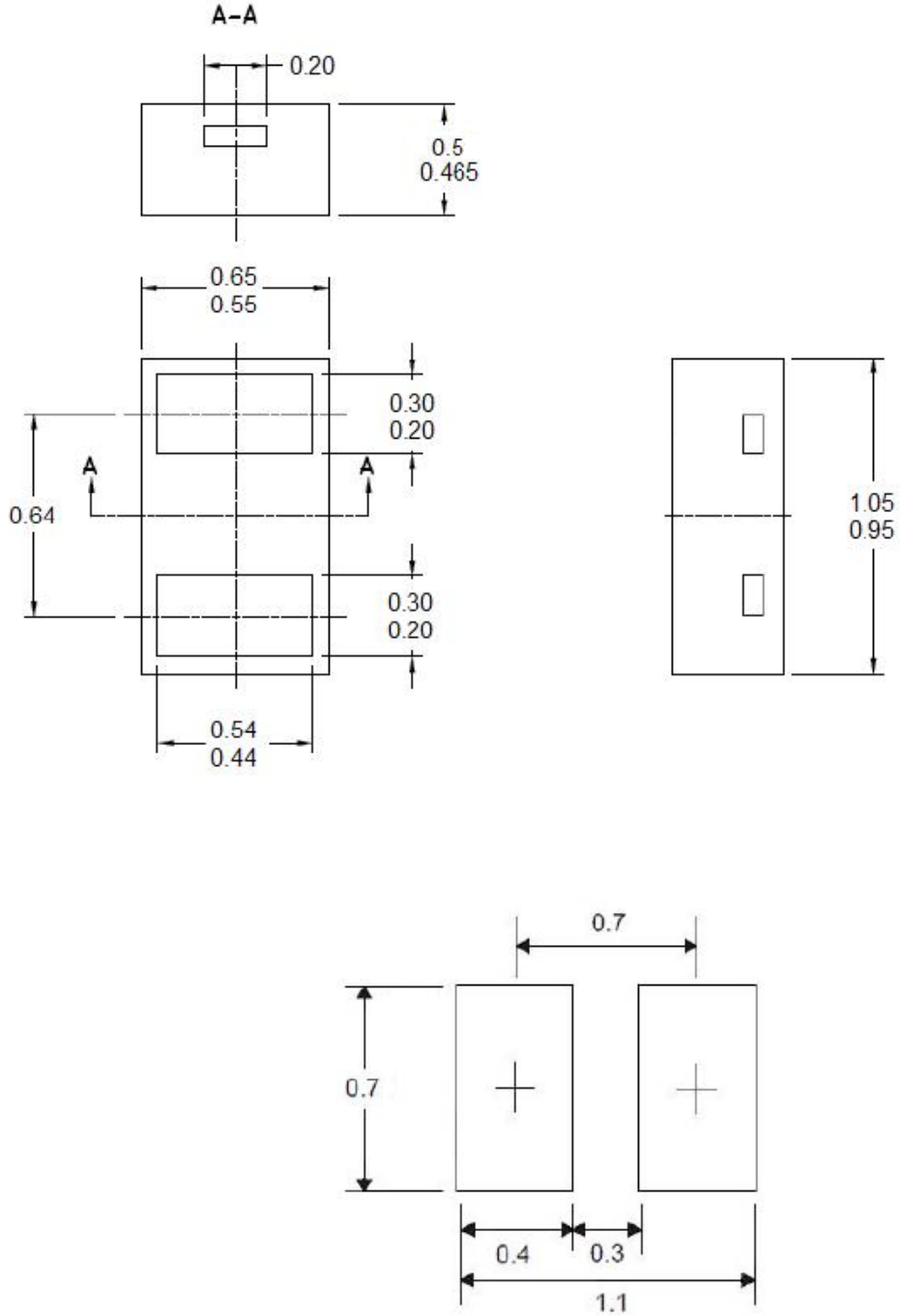
Figure 3. V_R - C_t CHARACTERISTICS





PACKAGE INFORMATION

Dimension in SOD-882 (Unit: mm)





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