



DESCRIPTION

Silicon epitaxial planar

The RB751V-40 is available in SOD-323 Package

FEATURES

- Low reverse current and low forward voltage.
- High reliability
- Available in SOD-323 Package

ORDERING INFORMATION

Package Type	Part Number
SOD-323	RB751V-40
Note	3,000pcs/Tape
AiT provides all RoHS Compliant Products	

PIN DESCRIPTION





ABSOLUTE MAXIMUM RATINGS

T_A = 25°C

V _{RM} , Peak reverse voltage	40V
V _R , DC reverse voltage	30V
I _O , Mean rectifying current	30mA
I _{FSM} , Peak forward surge current ^{Note1}	200mA
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.

NOTE1:60Hz for 1

ELECTRICAL CHARACTERISTICS

T_A = 25°C

Parameter	Symbol	Conditions	Min.	Typ.	Max	Unit
Forward voltage	V _F	I _F =1mA	-	-	0.37	V
Reverse current	I _R	V _R =30V	-	-	0.5	μA
Capacitance between terminals	C _T	V _R =1V, f=1MHz	-	2.0	-	pF



TYPICAL CHARACTERISTICS

Figure 1. Forward characteristics

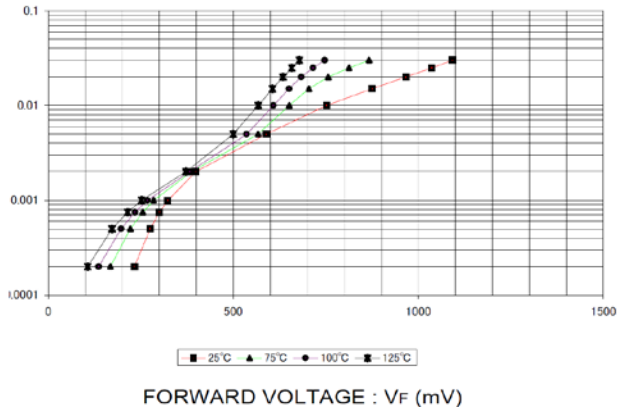


Figure 2. Reverse characteristics

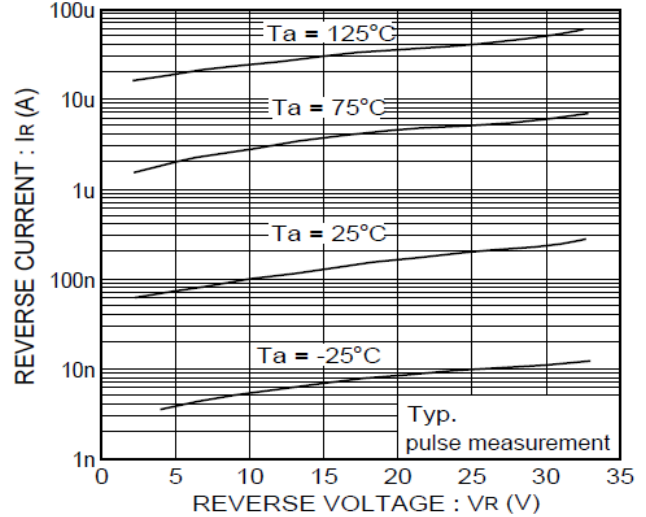
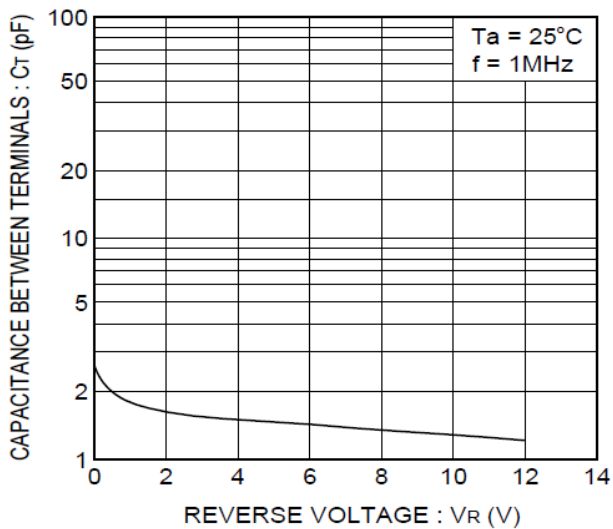


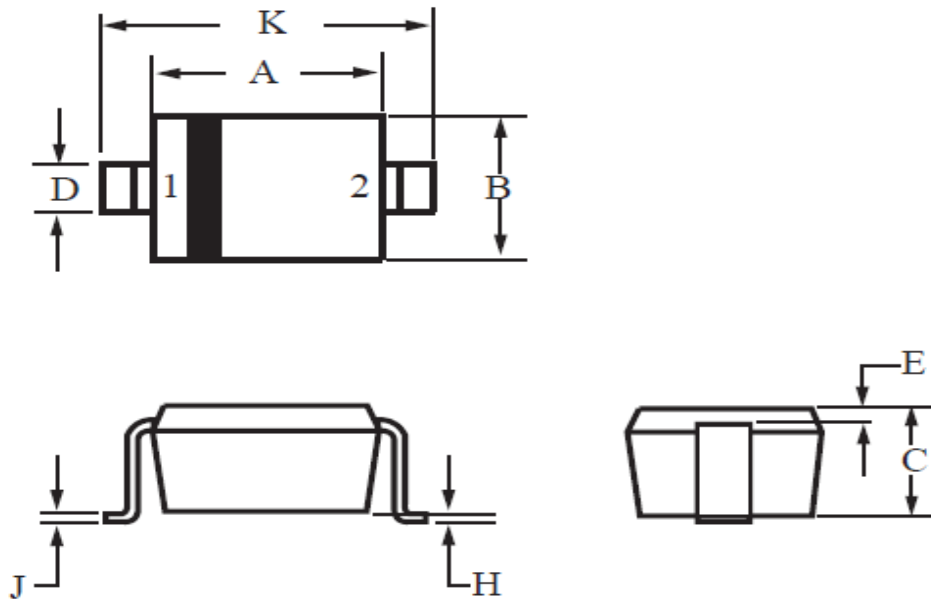
Figure 3. Capacitance between terminals characteristics





PACKAGE INFORMATION

Dimension in SOD-323 Package (Unit: mm)



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.600	1.800	0.063	0.071
B	1.150	1.350	0.045	0.053
C	0.800	1.000	0.031	0.039
D	0.250	0.400	0.010	0.016
E	0.15 REF		0.006 REF	
H	0.000	0.100	0.000	0.004
J	0.089	0.177	0.0035	0.0070
K	2.300	2.700	0.091	0.106



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