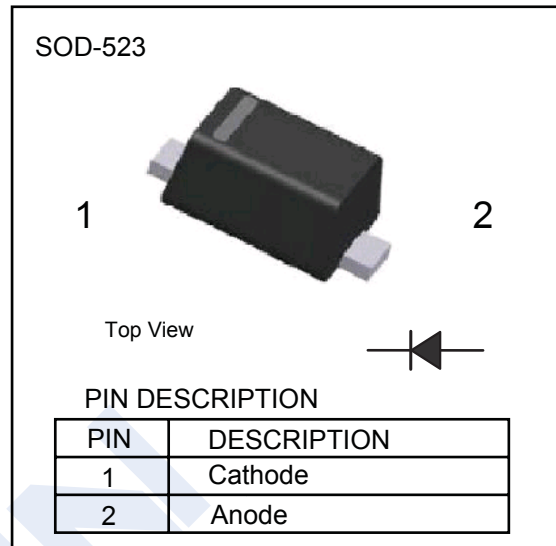


## Schottky Barrier Diode

## RB751S-40

## ■ Features

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

■ Absolute Maximum Ratings  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Value	Unit
Peak reverse voltage	$V_{RM}$	40	V
DC reverse voltage	$V_R$	30	
Mean rectifying current	$I_O$	30	mA
Peak forward surge current	$I_{FSM}$	200	
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 to 125	

■ Electrical Characteristics  $T_a = 25^\circ\text{C}$ 

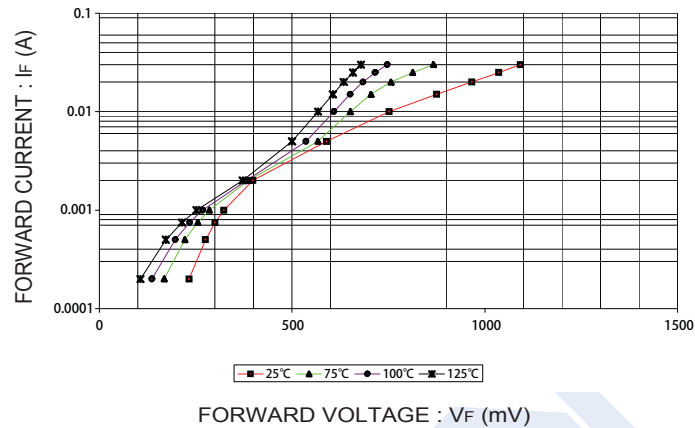
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F=1\text{mA}$			0.37	V
Reverse current	$I_R$	$V_R=30\text{V}$			0.5	$\mu\text{A}$
Capacitance between terminals	$C_T$	$V_R=1\text{V}, f=1\text{MHz}$		2.0		pF

## ■ Marking

Marking	5
---------	---

## Schottky Barrier Diode RB751S-40

■ Typical Characteristics



FORWARD VOLTAGE :  $V_F$  (mV)  
Fig. 1 Forward characteristics

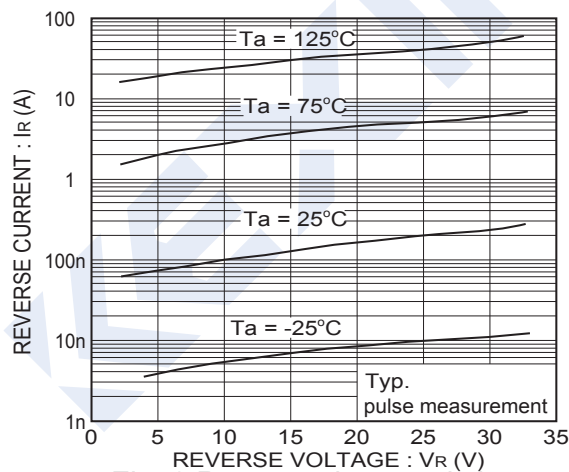


Fig. 2 Reverse characteristics

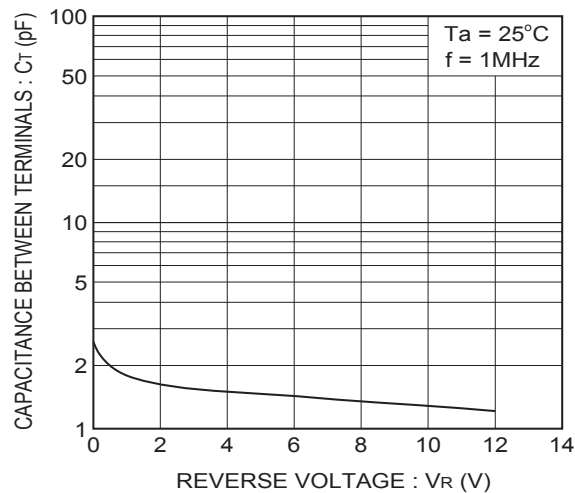


Fig. 3 Capacitance between terminals characteristics

## Schottky Barrier Diode

## RB751S-40

## ■ Package Outline Dimensions

Plastic surface mounted package; 2 leads

SOD-523

