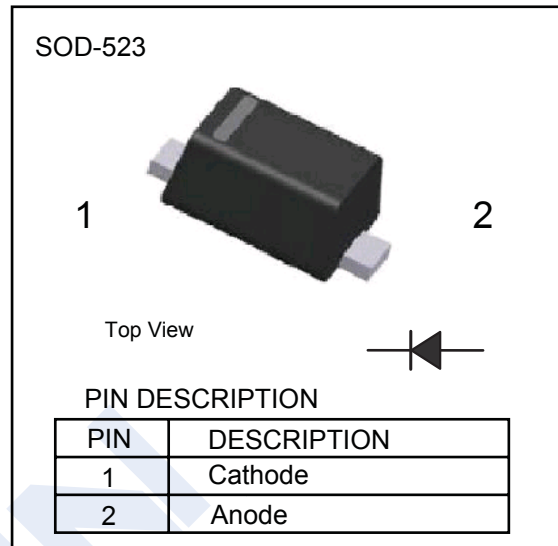


Schottky Barrier Diode

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	μA
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

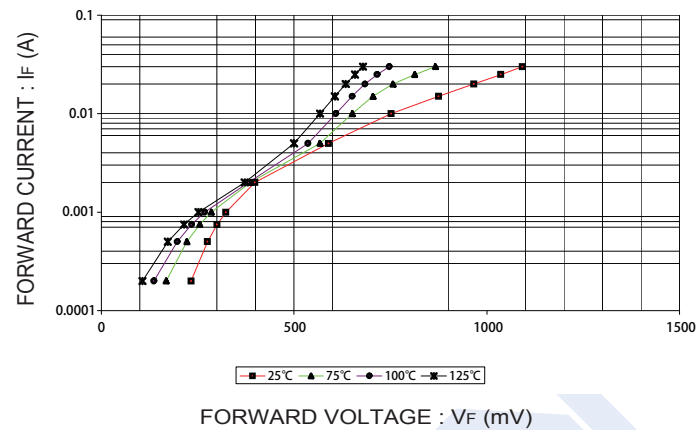


Fig. 1 Forward characteristics

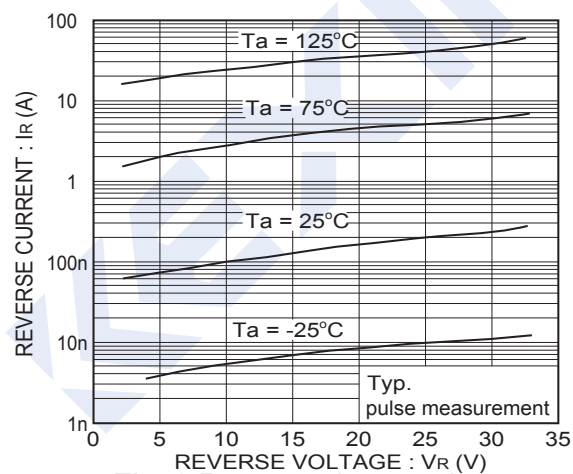


Fig. 2 Reverse characteristics

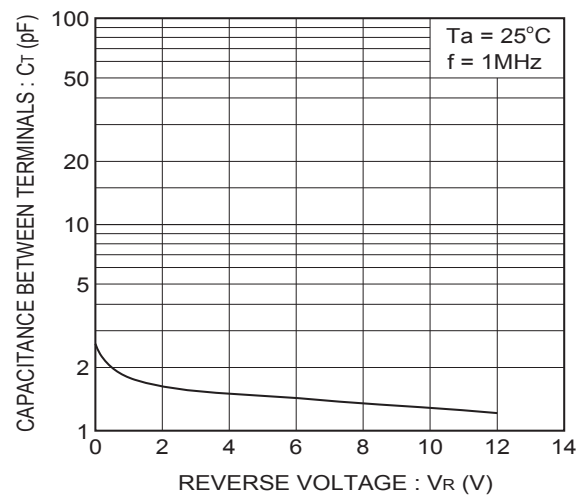


Fig. 3 Capacitance between terminals characteristics

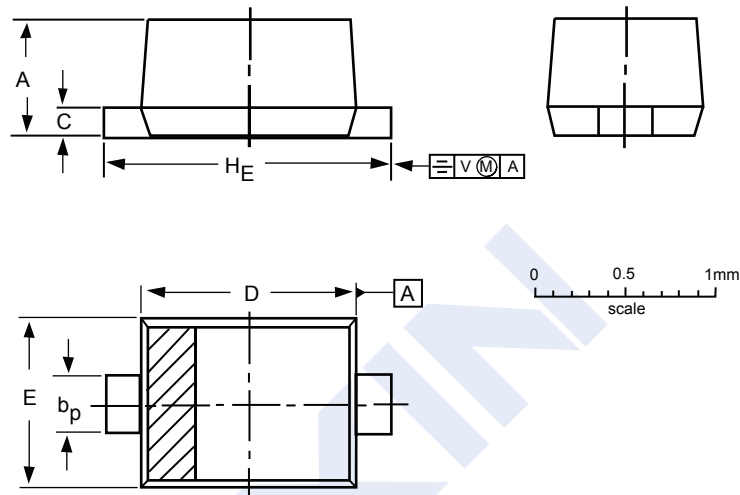
Schottky Barrier Diode

RB751S-40

■ Package Outline Dimensions

Plastic surface mounted package; 2 leads

SOD-523

**DIMENSIONS (mm are the original dimensions)**

UNIT	A	b _p	c	D	E	H _E	V
mm	0.7	0.35	0.2	1.3	0.9	1.7	0.15
	0.5	0.25	0.1	1.1	0.7	1.5	