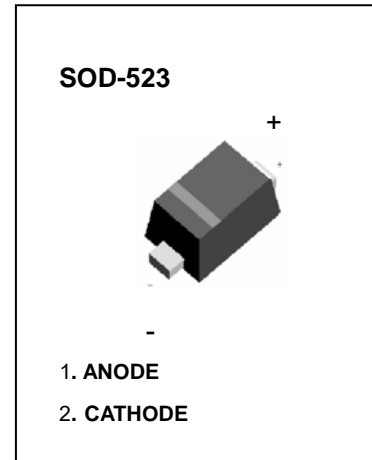


## FEATURES

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



## MARKING: 5

## Maximum Ratings and Electrical Characteristics, Single Diode @TA=25°C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	40	V
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	30	mA
Peak forward surge current	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40~125	°C

## Electrical Ratings @TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$			0.37	V	$I_F=1mA$
Reverse current	$I_R$			0.5	$\mu A$	$V_R=30V$
Capacitance between terminals	$C_T$		2		pF	$V_R=1V, f=1MHZ$

## Typical Characteristics

### ●Electrical characteristic curves (Ta = 25°C)

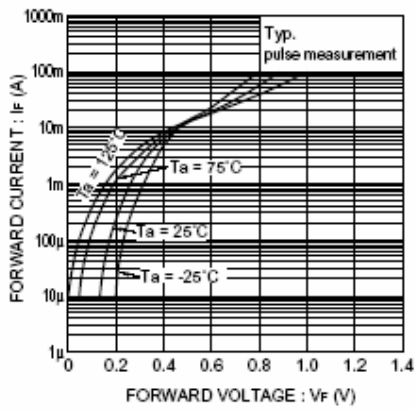


Fig. 1 Forward characteristics

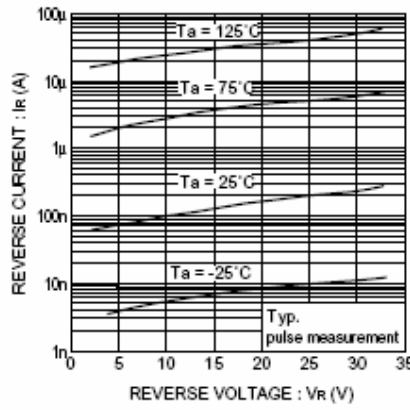


Fig. 2 Reverse characteristics

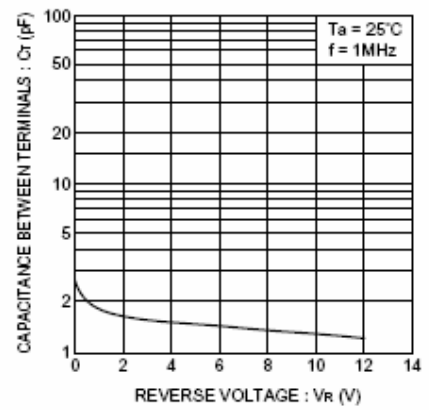


Fig. 3 Capacitance between terminals characteristics

Device	Package	Shipping
RB751S-40	SOT-523	3000 pcs / Tape & Reel

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