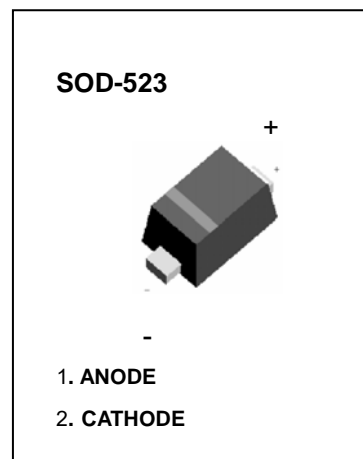


FEATURES

- 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	μA	$V_R=30V$
Capacitance between terminals	C_T		2		pF	$V_R=1V, f=1MHz$

Typical Characteristics

●Electrical characteristic curves ($T_a = 25^\circ\text{C}$)

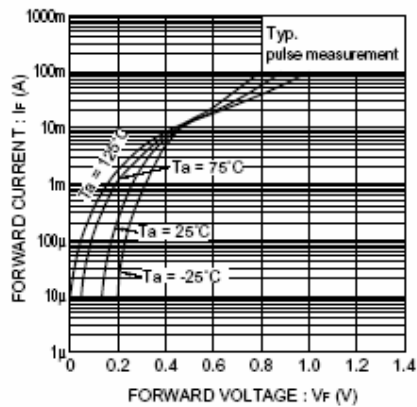


Fig. 1 Forward characteristics

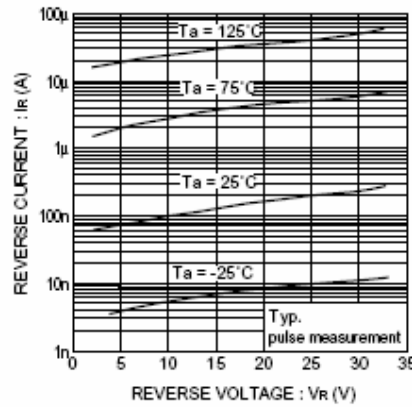


Fig. 2 Reverse characteristics

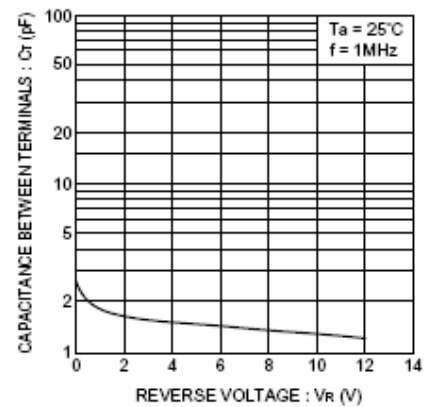


Fig. 3 Capacitance between terminals characteristics

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