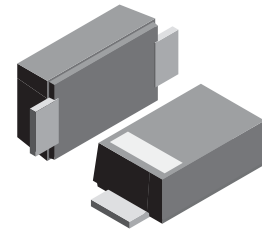


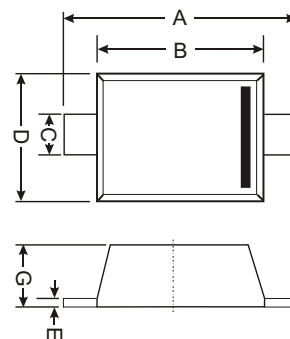
Features

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



Mechanical Data

- Case: SOD-523, Plastic
- Case material - UL Flammability Rating
- Classification 94V-0
- Marking Code: 05
- Weight: 0.002 grams (approx.)



SOD-523		
Dim	Min	Max
A	1.50	1.70
B	1.10	1.30
C	0.25	0.35
D	0.70	0.90
E	0.10	0.20
G	0.50	0.70
All Dimensions in mm		

Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Limits	Unit
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	$^\circ\text{C}$
Storage temperature	T_{stg}	-40-125	$^\circ\text{C}$

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

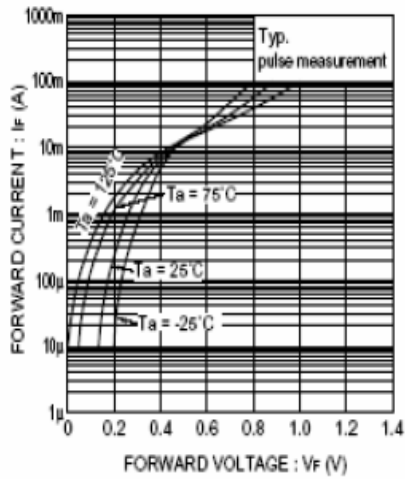


Fig. 1 Forward characteristics

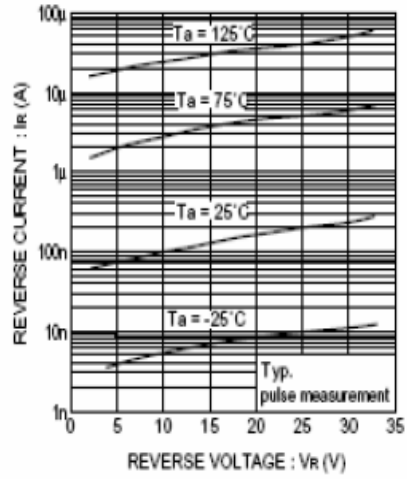


Fig. 2 Reverse characteristics

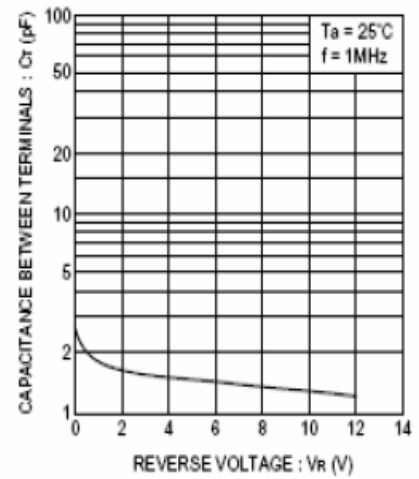


Fig. 3 Capacitance between terminals characteristics