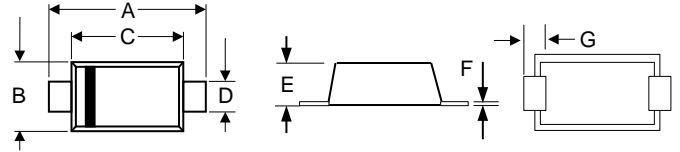


Features

- * Small surface mounting type
- * High reliability
- * Low current rectification
- * Marking Code: "S7"



RoHS
COMPLIANT



SOD-323F				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.091	0.110	2.30	2.80
B	0.045	0.053	1.15	1.35
C	0.063	0.071	1.60	1.80
D	0.010	0.016	0.25	0.40
E	0.031	0.043	0.80	1.10
F	0.004	0.006	0.10	0.15
G	0.016	0.024	0.41	0.61

Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V _{RM}	45	V
Reverse Voltage	V _R	40	V
Mean Rectifying Current	I _O	0.1	A
Peak Forward Surge Current (60 Hz for 1 Cyc.)	I _{FSM}	1	A
Junction Temperature	T _j	125	°C
Storage Temperature Range	T _{stg}	- 40 to + 125	°C

Electrical Characteristics (T_A=25°C unless otherwise noted)

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at I _F = 100 mA at I _F = 10 mA	V _F	- -	0.55 0.34	V V
Reverse Current at V _R = 10 V	I _R	-	30	μA
Capacitance Between Terminals at V _R = 10 V, f = 1 MHz	C _T	6	-	pF

Note: ESD sensitive product handling required.

Ratings and Characteristic Curves

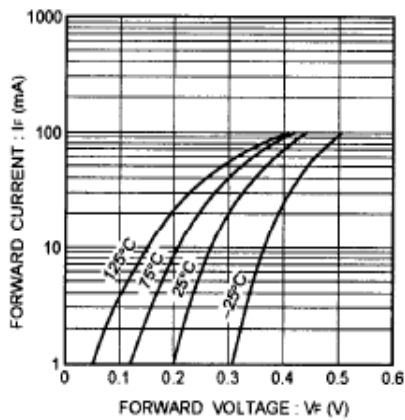


Fig. 1 Forward characteristics

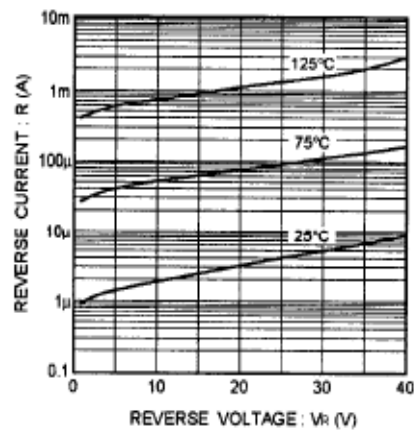


Fig. 2 Reverse characteristics

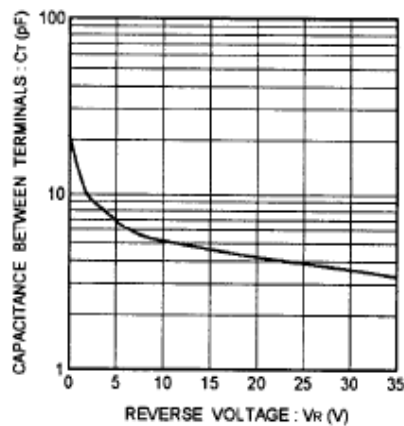


Fig. 3 Capacitance between terminals characteristics

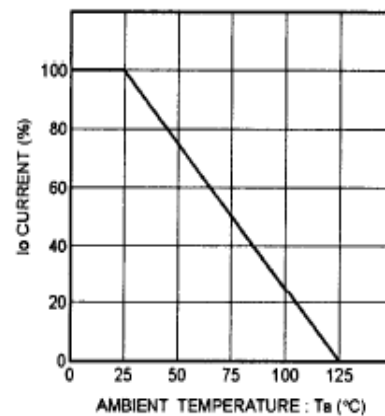


Fig. 4 Derating curve
(mounting on glass epoxy PCBs)



RB501V-40

Silicon Epitaxial Planar Schottky Barrier Diode

Ordering Information

Part No.	Package	Packing Code	Packing
RB501V-40	SOD-323F	R30	3000pcs/Reel

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