

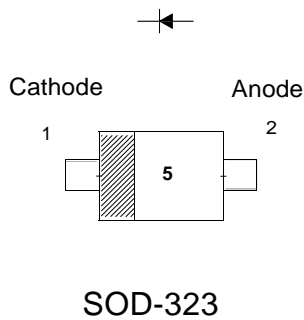


Features

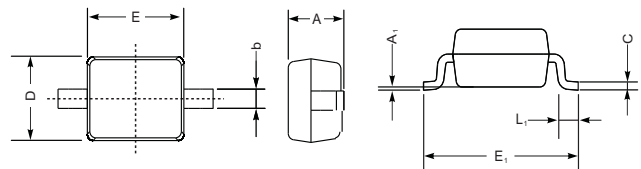
- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

Applications

- High speed switching



SOD323



UNIT		A	C	D	E	E ₁	b	L ₁	A ₁
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—
mil	max	43	5.9	55	70	108	16	16	8
	min	32	3.1	47	63	100	9.8	7.9	—

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

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V _{RM}	40	V
DC reverse voltage	V _R	30	V
Mean rectifying current	I _O	0.03	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	I _{FSM}	0.2	A
Power dissipation	P _D	200	mW
Thermal Resistance Junction to Ambient	R _{θJA}	500	°C/W
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55~+150	°C

RB751V-40

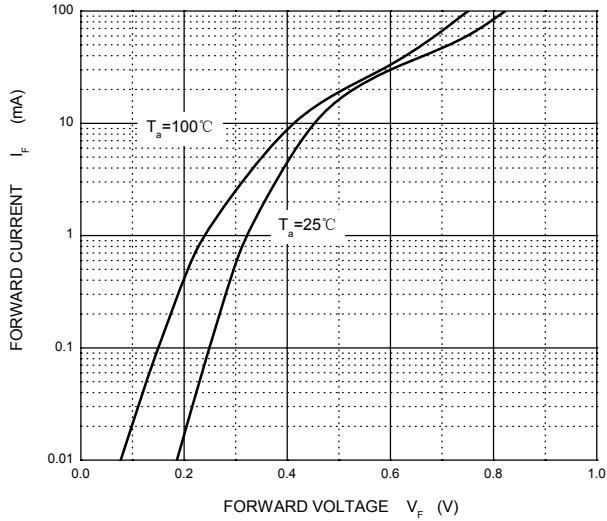
Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 1\text{ mA}$	V_F	-	0.37	V
Reverse Current at $V_R = 30\text{ V}$	I_R	-	0.5	μA
Capacitance Between Terminals at $V_R = 1\text{ V}$, $f = 1\text{ MHz}$	C_T	2	-	pF

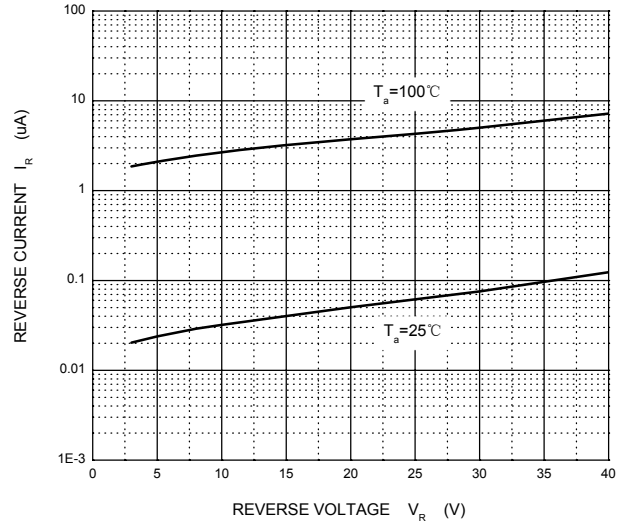
Note: ESD sensitive product handling required.

RATING AND CHARACTERISTIC CURVES (RB751V-40)

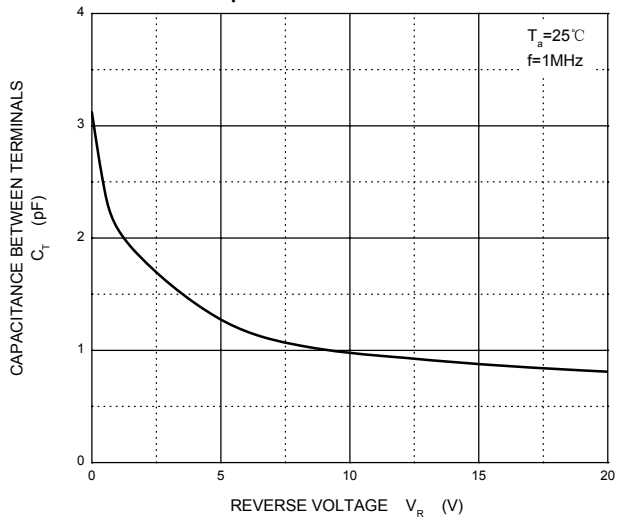
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

