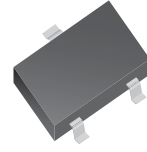


CDBV3-00340S/C/A-G

Reverse Voltage: 40 Volts
Forward Current: 30mA
RoHS Device

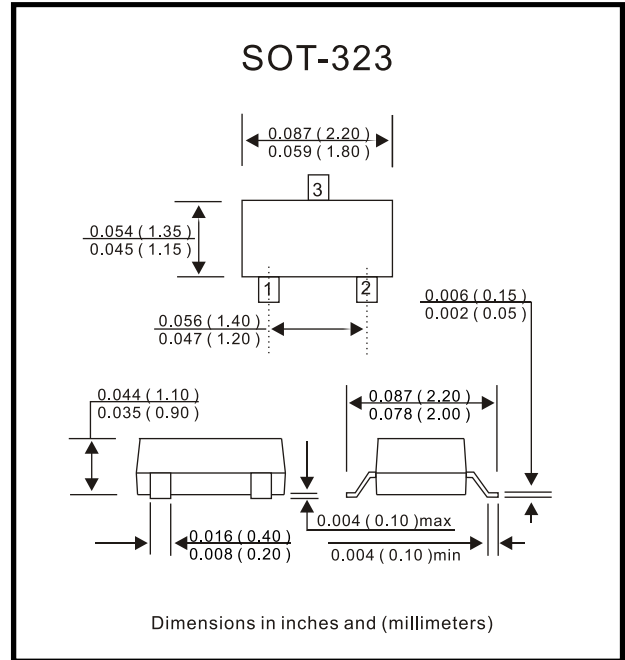


Features

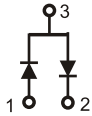
- Designed for mounting on small surface.
- High speed switching application, circuit protection.
- Low turn-on voltage

Mechanical data

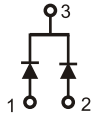
- Case: SOT-323, molded plastic.
- Terminals: Solder plated, solderable per MIL-STD-750, method 208.
- Approx. weight: 0.006 gram



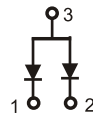
00340S



00340C



00340A



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Maximum Rating (at TA = 25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Repetitive peak reverse voltage		V _{RRM}			40	V
Reverse voltage		V _R			40	V
Average forward current		I _o			30	mA
Forward current , surge peak	8.3 ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}		200		mA
Power Dissipation		P _d			200	mW
Storage temperature		T _{STG}			+125	°C
Junction temperature		T _j			+125	°C

Electrical Characteristics (at TA = 25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F = 1 mA DC	V _F			0.37	V
Reverse current	V _R = 10V	I _R			1	uA
Capacitance between terminals	f = 1MHz, V _R =1V	C _T		2	5	pF

RATING AND CHARACTERISTIC CURVES (CDBV3-00340S/C/A-G)

Fig. 1 - Forward characteristics

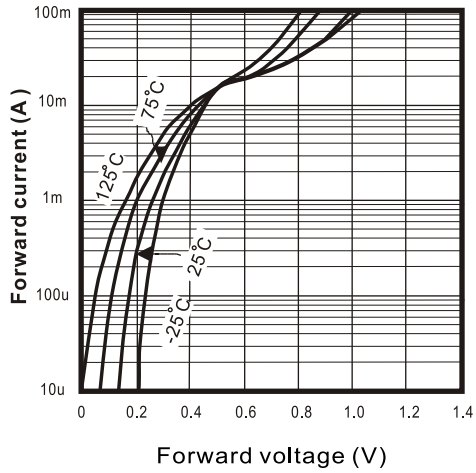


Fig. 2 - Reverse characteristics

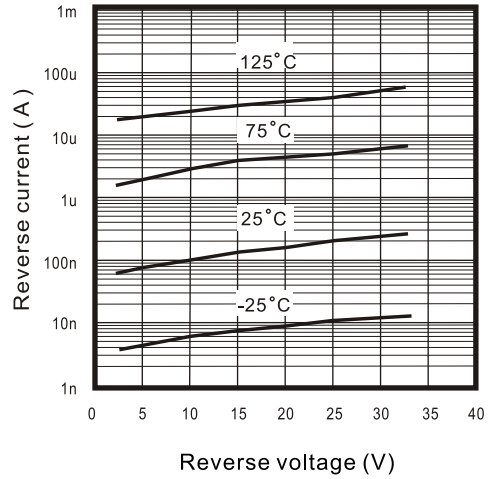


Fig. 3 - Capacitance between terminals characteristics

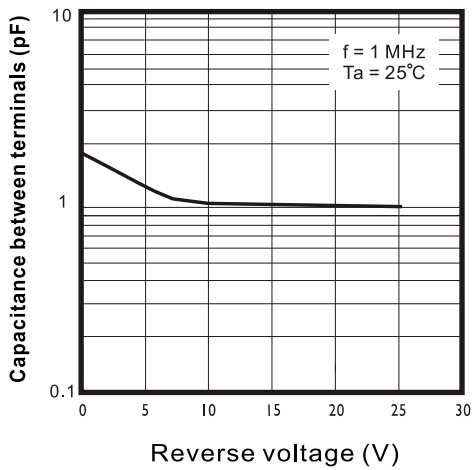


Fig. 4 - Power derating curve

