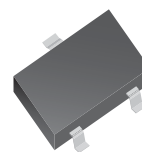


CDBV3-00340S/C/A-G

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

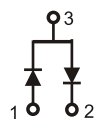
Mechanical data

Case:SOT-323, molded plastic.

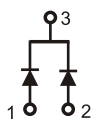
Terminals: Solder plated, solderable per MIL-STD-750, method 208.

Approx. weight: 0.006 gram

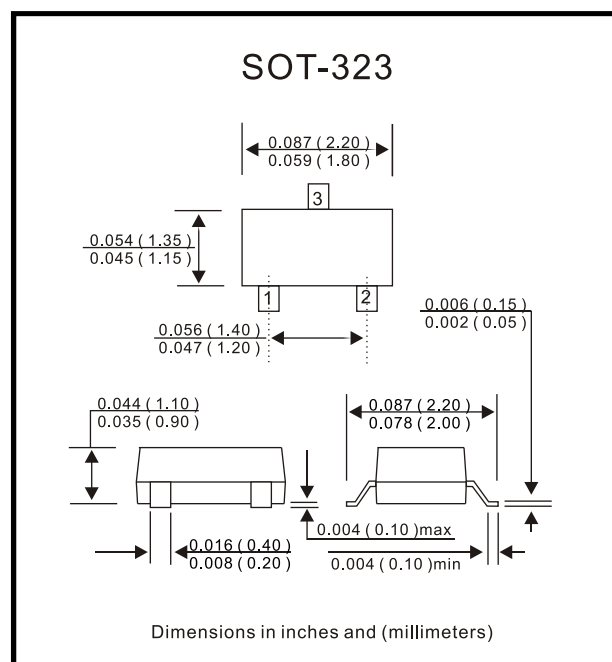
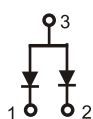
00340S



00340C



00340A



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

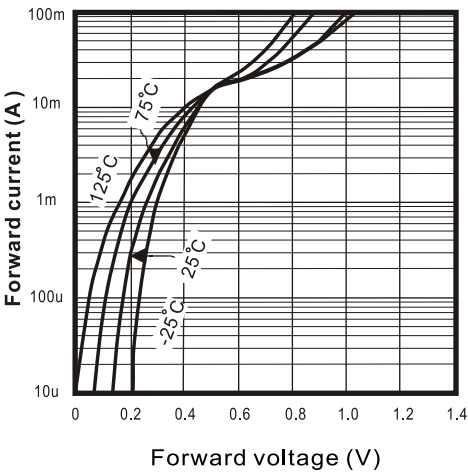


Fig. 2 - Reverse characteristics

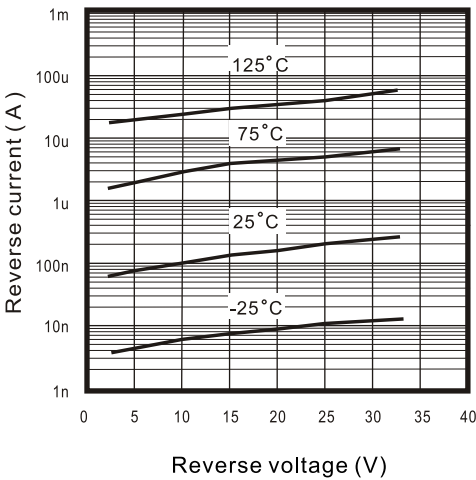


Fig. 3 - Capacitance between terminals characteristics

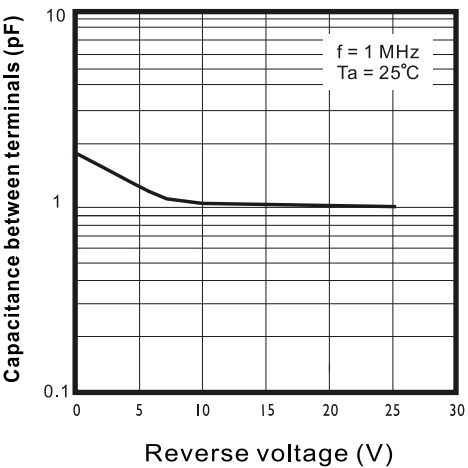


Fig. 4 - Power derating curve

