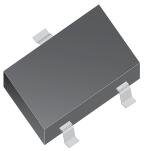
COMCHIP
SMD DIODE SPECIALIST

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

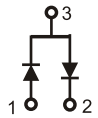
Mechanical data

Case:SOT-323, molded plastic.

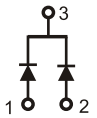
Terminals: Solder plated, solderable per MIL-STD-750, method 208.

Approx. weight: 0.006 gram

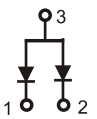
00340S



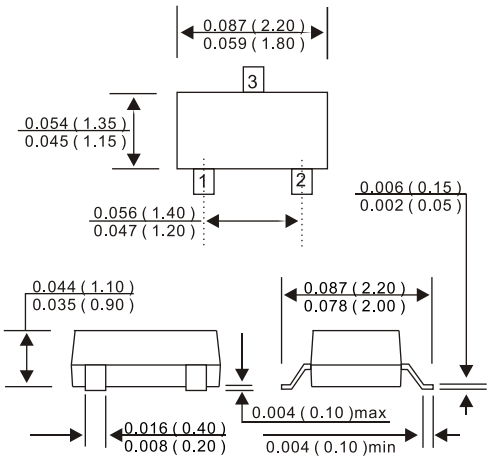
00340C



00340A



SOT-323



Dimensions in inches and (millimeters)

Maximum Rating (at T_A = 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		Io			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		Tj			+125	°C

Electrical Characteristics (at T_A = 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

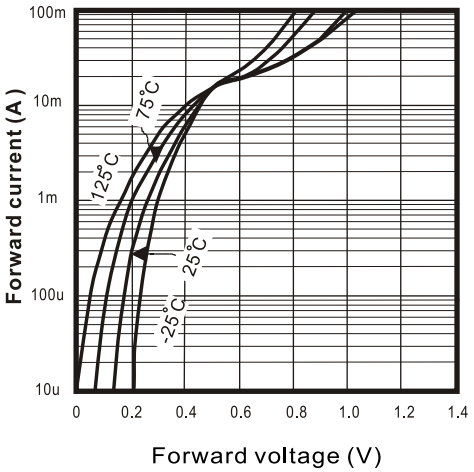


Fig. 2 - Reverse characteristics

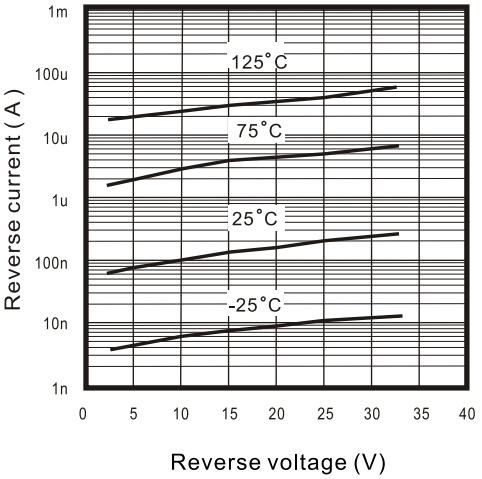


Fig. 3 - Capacitance between terminals characteristics

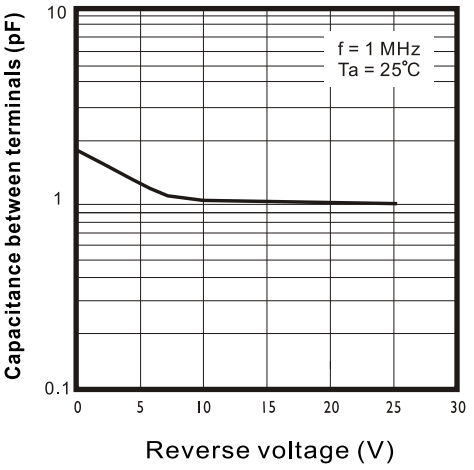


Fig. 4 - Power derating curve