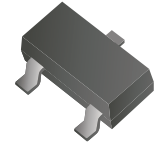


## CDBH3-00340-G

Reverse Voltage: 40Volts

Forward Current: 30mA

RoHS Device



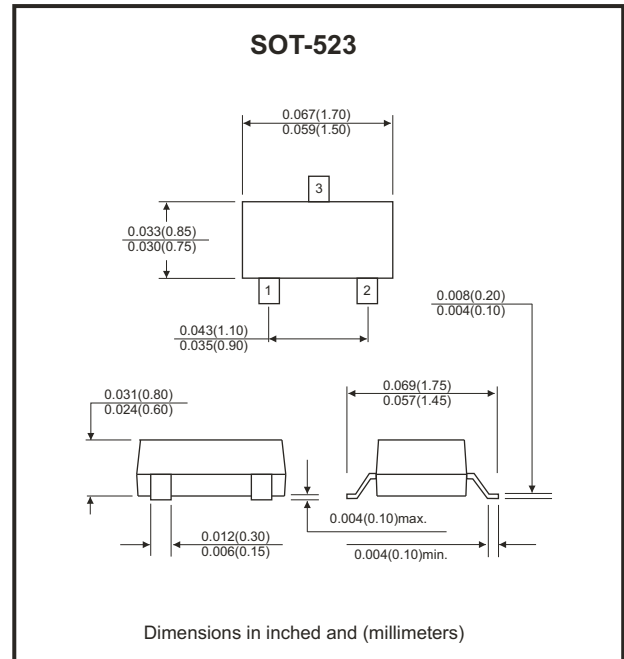
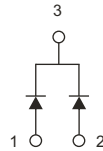
### Features

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

### Mechanical data

- Case: SOT-523, molded plastic.
- Terminals: Solder plated, solderable per MIL-STD-750, method 208.
- Approx. weight: 0.002 grams.

### Equivalent circuit:



### Maximum Ratings (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	8.3ms single half sine-wave superimposed on rated load (JEDEC method)	$I_{FSM}$		200		mA
Power dissipation		$P_D$			150	mW
Storage temperature		$T_{STG}$	-40		+125	°C
Max. junction temperature		$T_J$			+125	°C

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

Parameter	Conditions	Symbol	Min	Typ.	Max	Unit
Forward voltage	$I_F=1mA$	$V_F$			0.37	V
Reverse current	$V_R=10V$	$I_R$			1	μA
Capacitance between terminals	$f=1MHz, V_R=1V$	$C_T$		1.5	2	pF

## RATING AND CHARACTERISTIC CURVES (CDBH3-00340C-G)

Fig.1 - Forward Characteristics

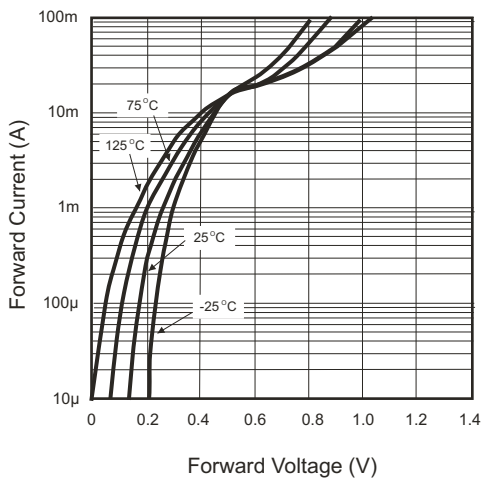


Fig.2 - Reverse Characteristics

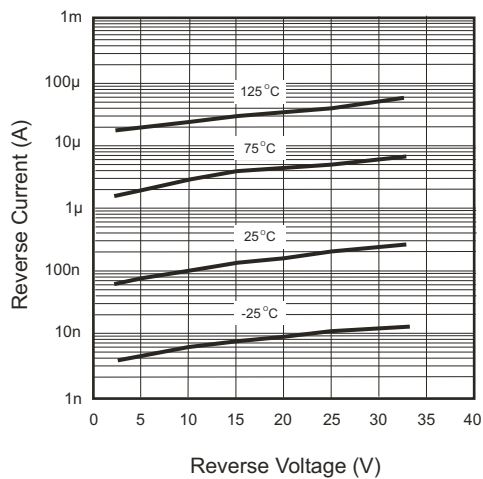


Fig.3 - Capacitance Between Terminals Characteristics

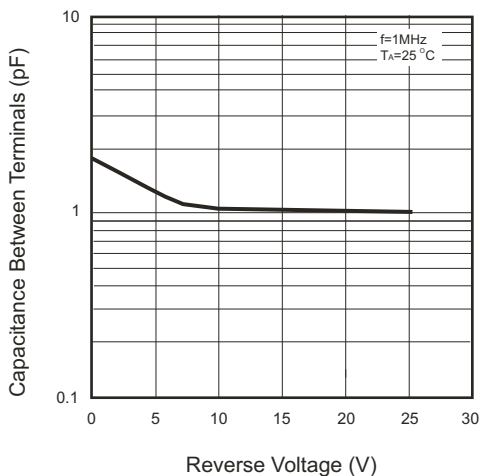


Fig.4 - Power Derating Curve

