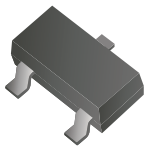
CDBH3-00340-G

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

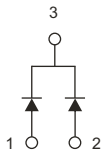
Mechanical data

-Case: SOT-523, molded plastic.

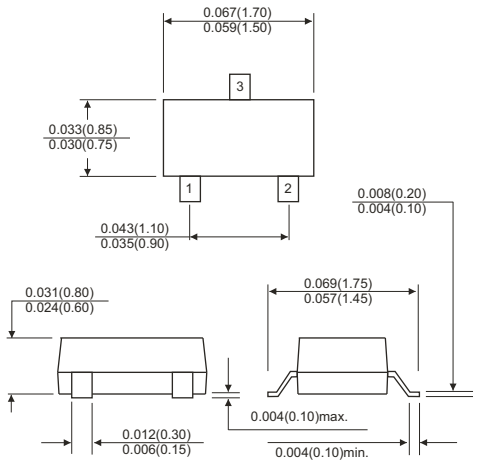
-Terminals: Solder plated, solderable per MIL-STD-750, method 208.

-Approx. weight: 0.002 grams.

Equivalent circuit:



SOT-523



Dimensions in inched and (millimeters)

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	IF=1mA	V_F			0.37	V
Reverse current	VR=10V	I_R			1	μA
Capacitance between terminals	f=1MHz, VR=1V	C_T		1.5	2	pF

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

Fig.1 - Forward Characteristics

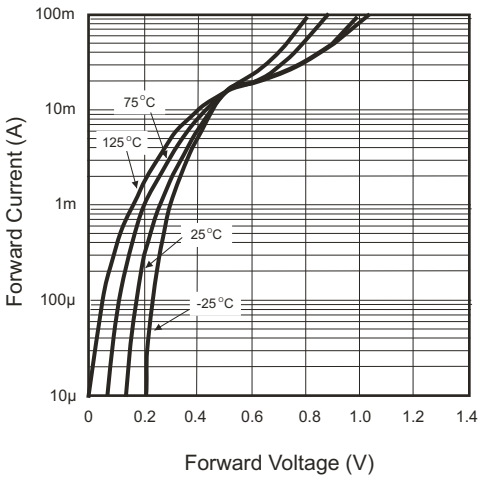


Fig.2 - Reverse Characteristics

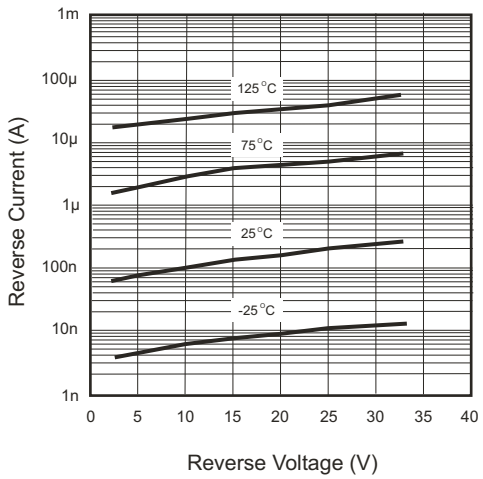


Fig.3 - Capacitance Between Terminals Characteristics

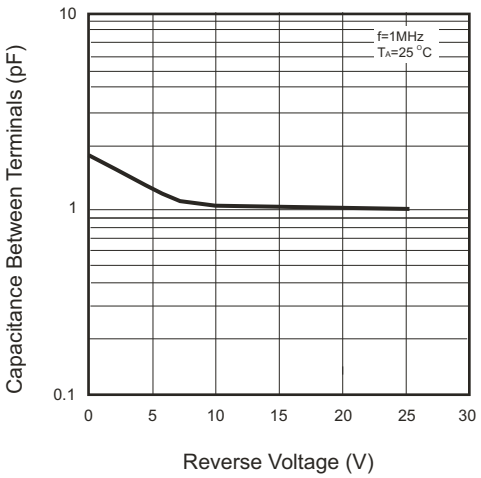


Fig.4 - Power Derating Curve

