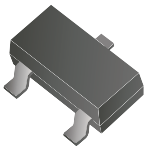
CDBH3-54/S/C/A-G

Reverse Voltage: 30 Volts
Forward Current: 200 mA
RoHS Device



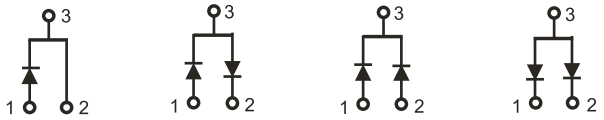
Features

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

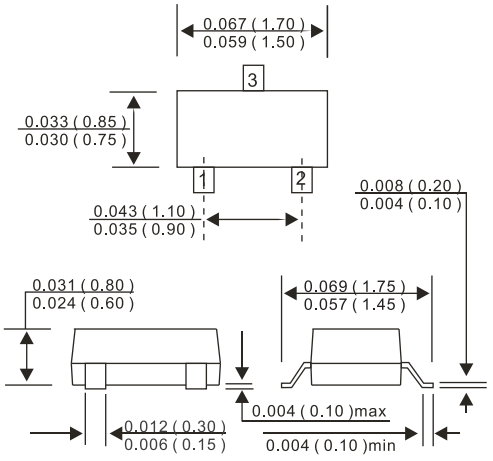
Mechanical data

- Case:SOT-23, molded plastic.
- Terminals: Solder plated, solderable per MIL-STD-750, method 208.
- Approx. weight: 0.002 gram

54 54S 54C 54A



SOT-523



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics (at Ta=25°C unless otherwise noted)

Parameter	Condition	Symbol	Value	Unit
Repetitive peak reverse voltage		V_{RRM}	30	V
Reverse voltage		V_R	30	V
Forward continue current		I_{FM}	200	mA
Surge peak forward current	T < 1.0 sec	I_{FSM}	0.6	A
Power dissipation		Pd	150	mW
Maximum forward voltage	@ I_F= 0.1 mA @ I_F= 1 mA @ I_F= 10 mA @ I_F= 30 mA @ I_F= 100mA	V_F	0.24 0.32 0.40 0.50 1.00	V
Maximum reverse current	@ V_R = 25V	I_R	2.0	uA
Max reverse recovery time	I_F=I_R=10mA, R_L=100 ohms	Trr	5	nS
Maximum diode capacitance	V_R=1V, f=1MHz	C_T	10	pF
Max. junction temperature		Tj	125	°C
Storage temperature		T_{STG}	-65 to +125	°C

RATING AND CHARACTERISTIC CURVES (CDBH3-54/S/C/A-G)

Fig. 1 - Forward characteristics

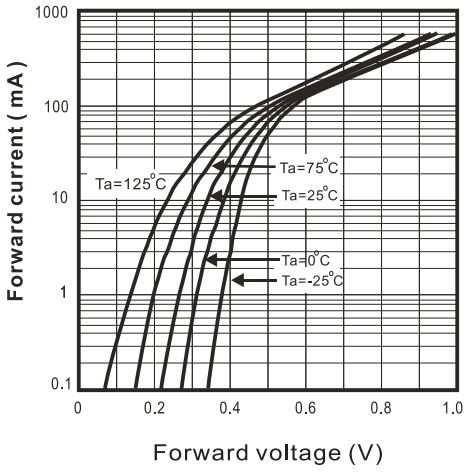


Fig. 2 - Reverse characteristics

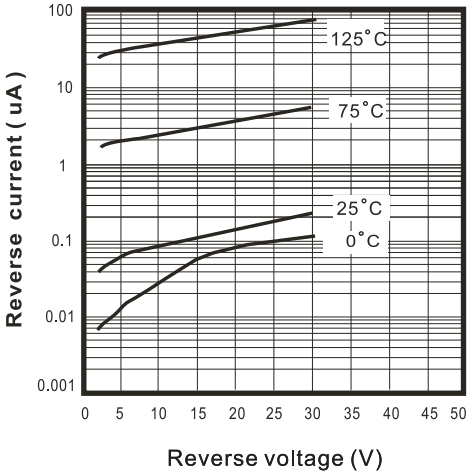


Fig. 3 - Capacitance between terminals characteristics

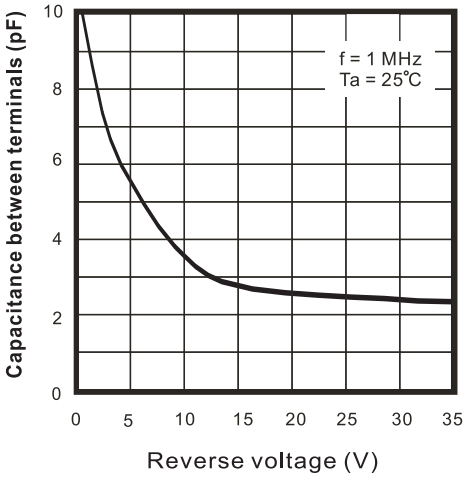


Fig. 4 - Power Derating Curve