

CDBH3-54/S/C/A-G

Reverse Voltage: 30 Volts Forward Current: 200 mA

RoHS Device

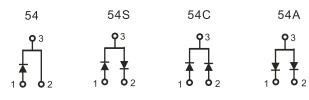


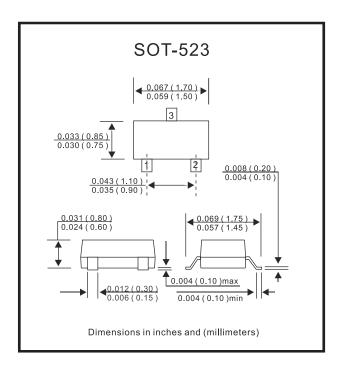
Features

- 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





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

Parameter	Condition	Symbol	Value	Unit
Repetitive peak reverse voltage		Vrrm	30	٧
Reverse voltage		VR	30	٧
Forward continue current		I FM	200	mA
Surge peak forward current	T < 1.0 sec	I FSM	0.6	Α
Power dissipation		Pd	150	mW
Maximum forward voltage	@ IF= 0.1 mA @ IF= 1 mA @ IF= 10 mA @ IF= 30 mA @ IF= 100mA	VF	0.24 0.32 0.40 0.50 1.00	٧
Maximum reverse current	@ VR = 25V	I R	2.0	uA
Max reverse recovery time	IF=IR=10mA, RL=100 ohms	Trr	5	nS
Maximum diode capacitance	VR=1V, f=1MHz	Ст	10	pF
Max. junction temperature		Tj	125	°C
Storage temperature		Тѕтс	-65 to +125	°C



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

Fig. 1 - Forward characteristics

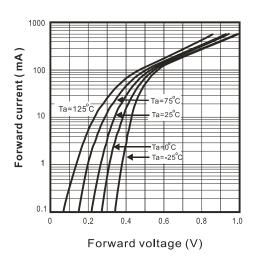


Fig. 3 - Capacitance between terminals characteristics

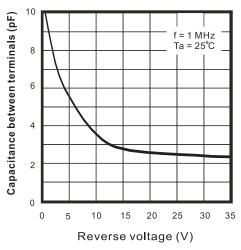


Fig. 2 - Reverse characteristics

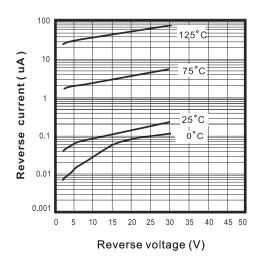


Fig. 4 - Power Derating Curve

