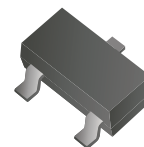


CDBH3-54/S/C/A-G

Reverse Voltage: 30 Volts

Forward Current: 200 mA

RoHS Device

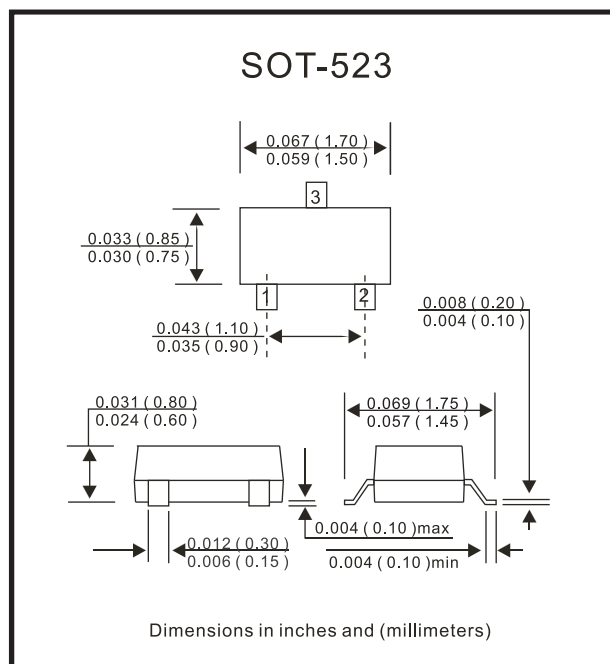
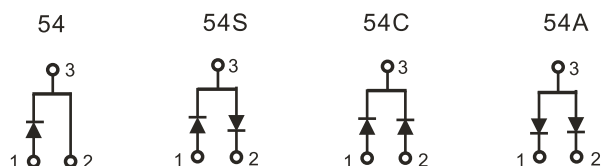


Features

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

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

Fig. 1 - Forward characteristics

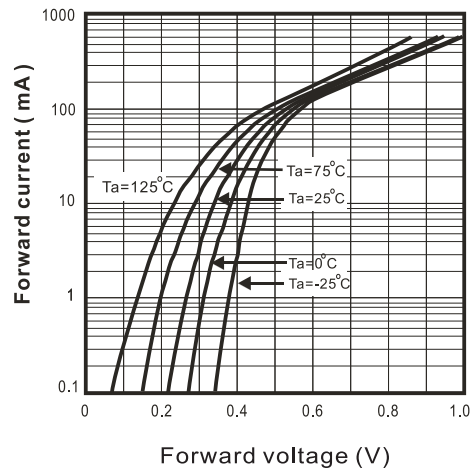


Fig. 2 - Reverse characteristics

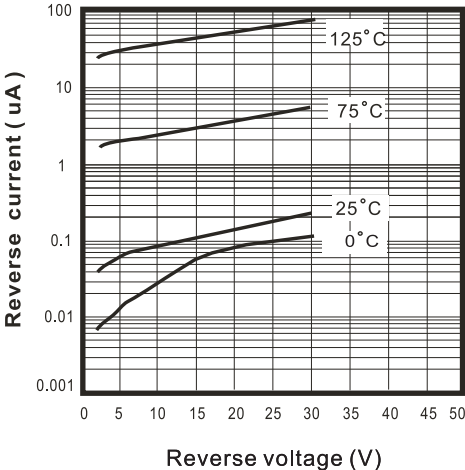


Fig. 3 - Capacitance between terminals characteristics

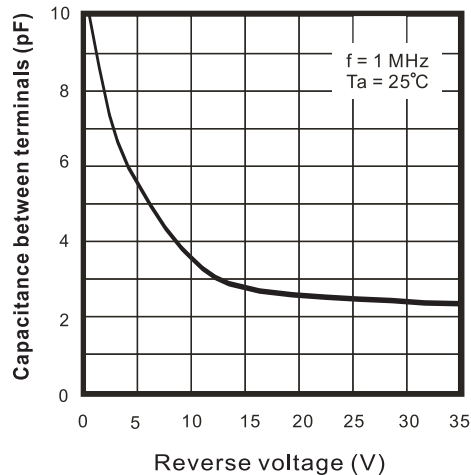
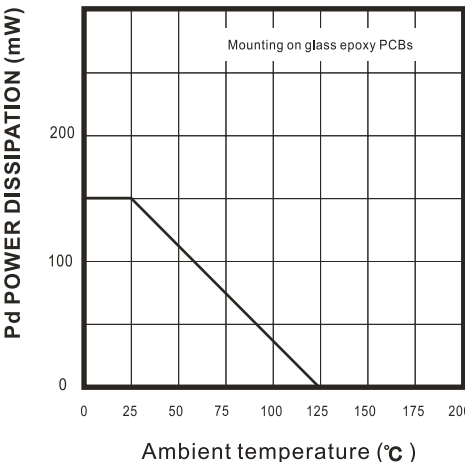


Fig. 4 - Power Derating Curve



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401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
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➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com