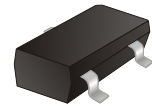


## CDSV3-217-G

Reverse Voltage: 80 Volts  
 Forward Current: 300 mA  
 RoHS Device



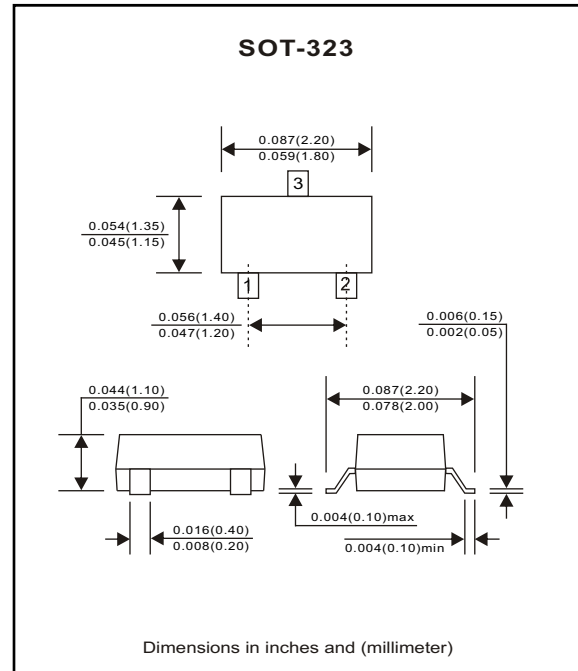
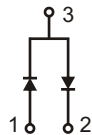
### Features

- Designed for mounting on small surface.
- High speed switching.
- High mounting capability, strong surge withstand, high reliability.

### Mechanical data

- Case: SOT-323, molded plastic.
- Terminals: Solder plated, solderable per MIL-STD-750, method 208.
- Weight: 0.006 gram(approx.).

CDSV3-217-G



### Maximum Ratings(at TA=25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Peak reverse voltage		V <sub>RM</sub>			80	V
Reverse voltage		V <sub>R</sub>			80	V
Forward current		I <sub>FM</sub>			300	mA
Average forward current		I <sub>o</sub>			100	mA
Forward current, surge peak	T = 10ms	I <sub>FSM</sub>			1	A
Power dissipation		P <sub>D</sub>			200	mW
Storage temperature		T <sub>STG</sub>	-55		+125	°C
Junction temperature		T <sub>j</sub>			+125	°C

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

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	I <sub>F</sub> = 100mA	V <sub>F</sub>			1.2	V
Reverse current	V <sub>R</sub> = 70V	I <sub>R</sub>			0.1	uA
Reverse breakdown voltage	I <sub>R</sub> = 100uA	V <sub>BR</sub>	80			V
Junction Capacitance	f=1MHz, and 0 VDC reverse voltage	C <sub>T</sub>			2	pF

## RATING AND CHARACTERISTIC CURVES (CDSV3-217-G)

Fig. 1 - Forward characteristics

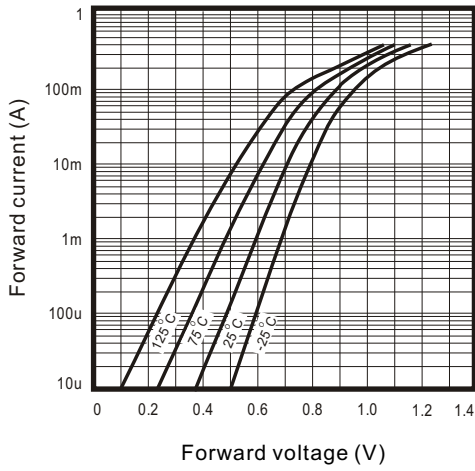


Fig. 2 - Reverse characteristics

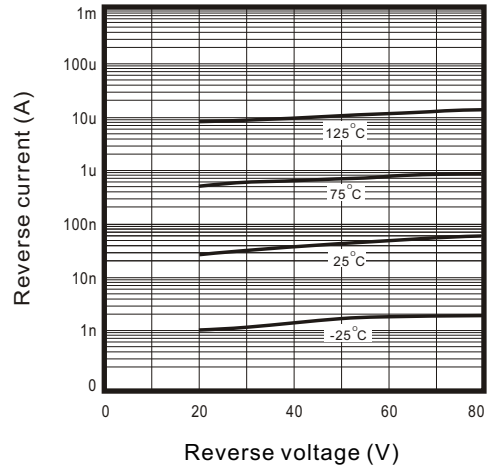


Fig.3 - Capacitance between terminals characteristics

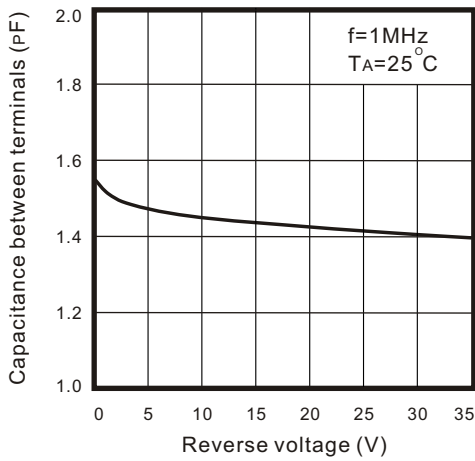


Fig.4 - Power derating curve

