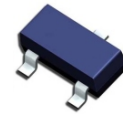


Small Signal Switching Diodes



CDSV3-99-G/ 70-G/ 56-G/ 16G

Reverse Voltage: 75 Volts
 Forward Current: 200mA
 RoHS Device

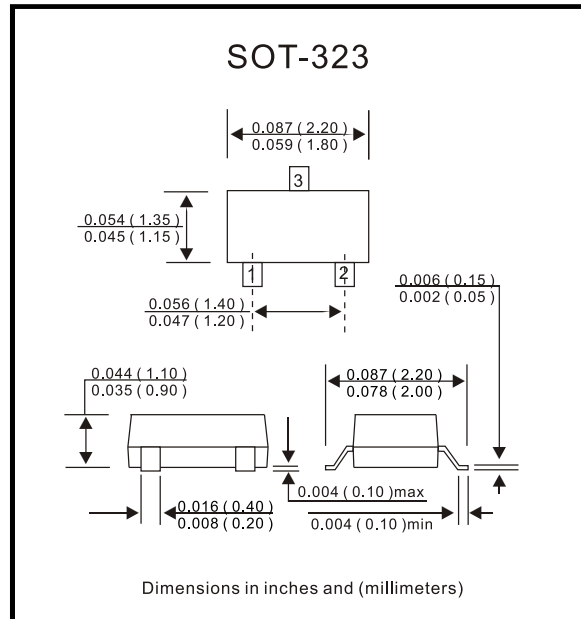


Features

- 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.
- Approx. weight: 0.006 gram



CDSV3-16-G CDSV3-99-G CDSV3-70-G CDSV3-56-G



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

Parameter	Condition	Symbol	Value	Unit
Repetitive peak reverse voltage		VRRM	75	V
Reverse voltage		VR	75	V
Forward continue current		IFM	300	mA
Surge peak forward current	T = 1us	IFSM	2	A
Power dissipation		Pd	200	mW
Maximum forward voltage	@ IF= 1 mA @ IF= 10 mA @ IF= 50mA @ IF= 100mA	VF	0.715 0.855 1.0 1.25	V
Maximum reverse current	@ VR= 75V @ VR= 75V, Tj= 150°C @ VR= 25V, Tj= 150°C @ VR= 20V,	IR	2.5 50 30 25	uA
Max reverse recovery time	IF=10mA, RL=100 ohms	Trr	4	nS
Typical diode capacitance	VR=0V, f=1MHz	CT	2	pF
Max. Operation junction temperature		Tj	150	°C
Storage temperature		TSTG	-55 to +150	°C

Rev. A

RATING AND CHARACTERISTIC CURVES (CDSV3-99-G/70-G/56-G/16-G)

Fig. 1 - Forward characteristics

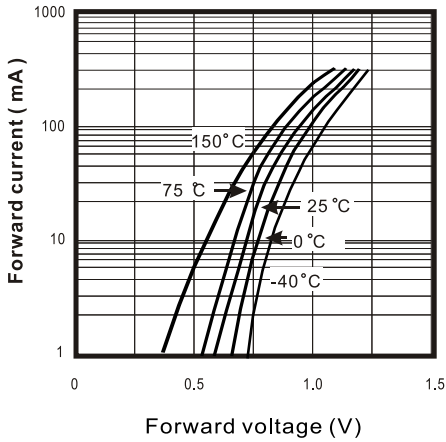


Fig. 2 - Reverse characteristics

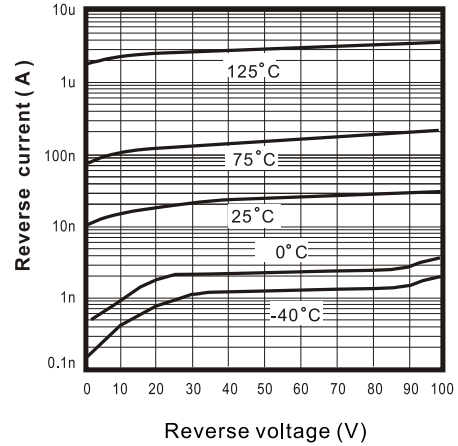


Fig. 3 - Capacitance between terminals characteristics

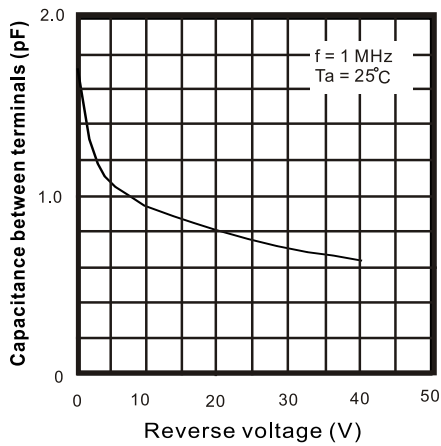


Fig. 4 - Power Derating Curve

