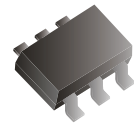


CDSV6-99SD-G

Reverse Voltage: 75 Volts

Forward Current: 215 mA

RoHS Device



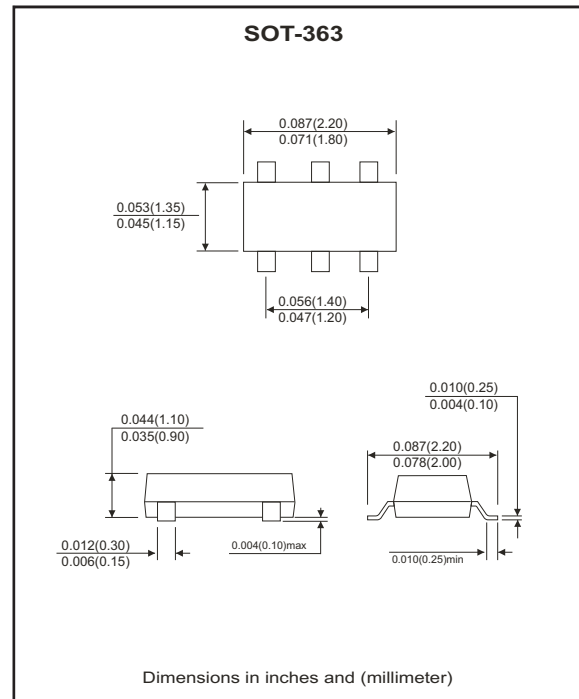
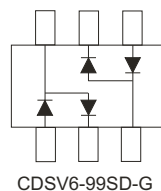
Features

- Design for mounting on small surface.
- High speed switching.
- Ultra small surface mount package.
- Two BAV99 circuits in one package.

Mechanical data

- Case: SOT-363, molded plastic.
- Terminals: solderable per MIL-STD-750, method 2026.
- Approx. weight: 0.006 grams

Circuit diagram



Maximum Ratings and Electrical Characteristics

(at Ta=25 °C unless otherwise noted)

Parameter	Symbol	Conditions	Value	Units
Repetitive peak reverse voltage	V_{RRM}		75	V
Reverse voltage	V_R		75	V
Forward current	I_F		215	mA
Peak surge forward current	I_{FSM}	$T=1.0 \mu S$	2	A
Power dissipation	P_D		200	mW
Maximum forward voltage	V_F	$@I_F=1mA$ $@I_F=10mA$ $@I_F=50mA$ $@I_F=100mA$	0.715 0.855 1.0 1.25	V
Maximum reverse current	I_R	$@V_R=20V$ $@V_R=75V$ $@V_R=25V, T_J=150^\circ C$ $@V_R=75V, T_J=150^\circ C$	0.025 2.5 30 50	μA
Maximum reverse recovery time	T_{rr}	$I_F=I_R=10mA, R_L=100\Omega$	4	nS
Typical diode capacitance	C_T	$V_R=0V, f=1.0MHz$	2	pF
Maximum junction temperature	T_J		150	$^\circ C$
Storage temperature	T_{STG}		-55 to +150	$^\circ C$

RATING AND CHARACTERISTIC CURVES (CDSV6-99SD-G)

Fig.1 - Forward Characteristics

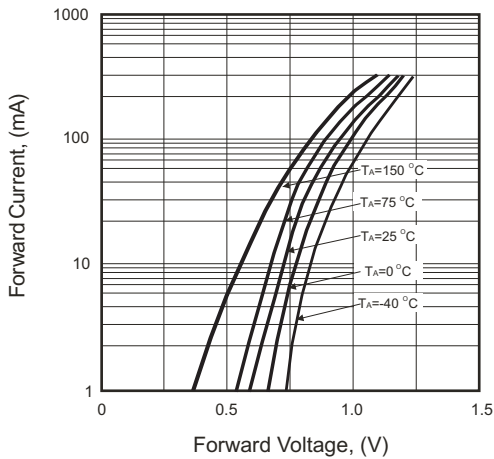


Fig.2 - Reverse Characteristics

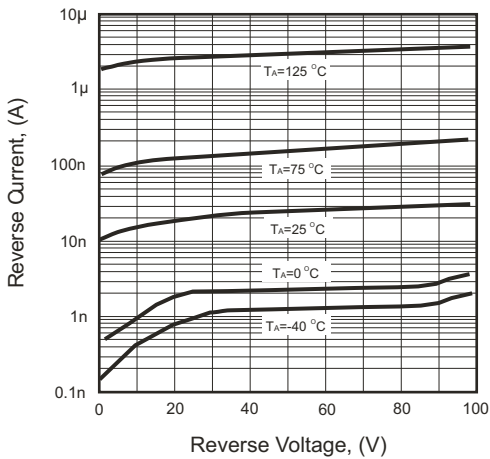


Fig.3 - Capacitance Between Terminals Characteristics

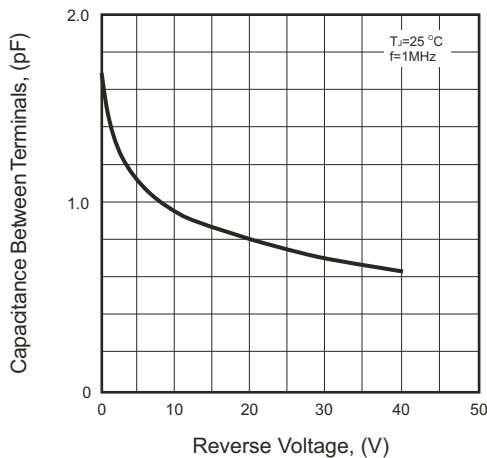


Fig.4 - Power Derating Curve

