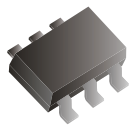
CDSV6-99SD-G

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.

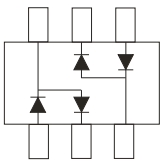
Mechanical data

-Case: SOT-363, molded plastic.

-Terminals: solderable per MIL-STD-750, method 2026.

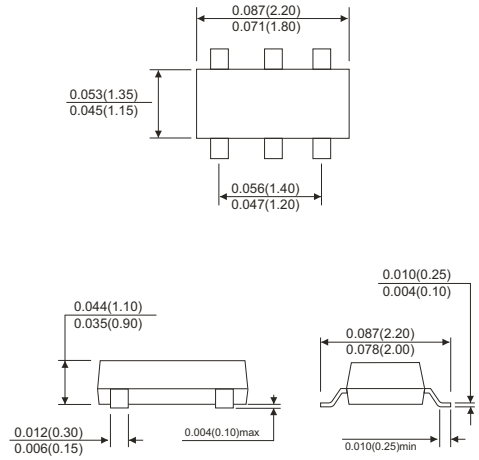
-Approx. weight: 0.006 grams

Circuit diagram



CDSV6-99SD-G

SOT-363



Dimensions in inches and (millimeter)

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 μS	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 °C @V_R=75V, T_J=150 °C	0.025 2.5 30 50	μA
Maximum reverse recovery time	T_{rr}	I_F=I_R=10mA, R_L=100Ω	4	nS
Typical diode capacitance	C_T	V_R=0V, f=1.0MHz	2	pF
Maximum junction temperature	T_J		150	°C
Storage temperature	T_{STG}		-55 to +150	°C

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

Fig.1 - Forward Characteristics

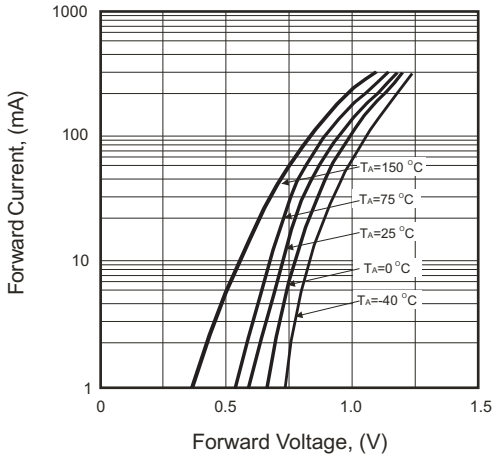


Fig.2 - Reverse Characteristics

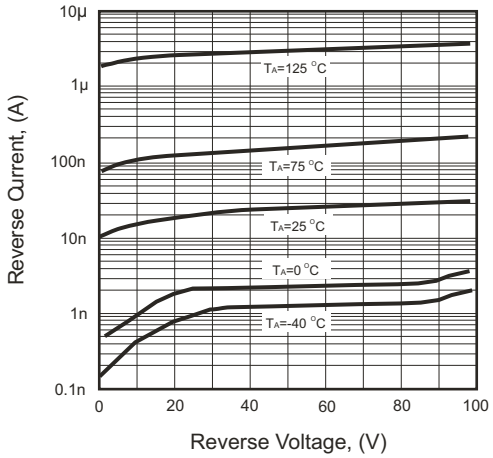


Fig.3 - Capacitance Between Terminals Characteristics

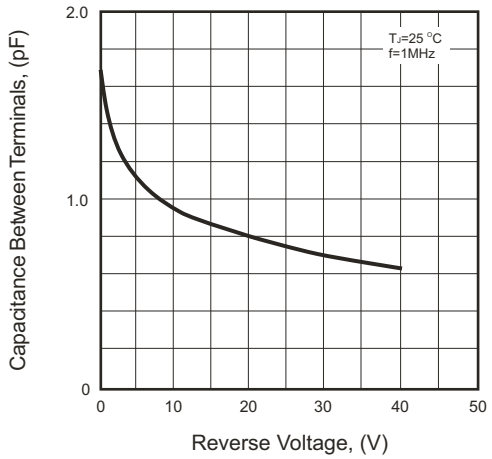


Fig.4 - Power Derating Curve