

CDSW4448-G

Voltage: 75 Volts
Pd:400mW
RoHS Device



Features

Designed for mounting on small surface

High speed switching.

High mounting capability, strong surge withstand, high reliability.

Also available in other smaller standard case styles:

CDSN4448 - 1206 size

CDSF4448 - SOD-323F size

CDSU4448 - SOD-523F size

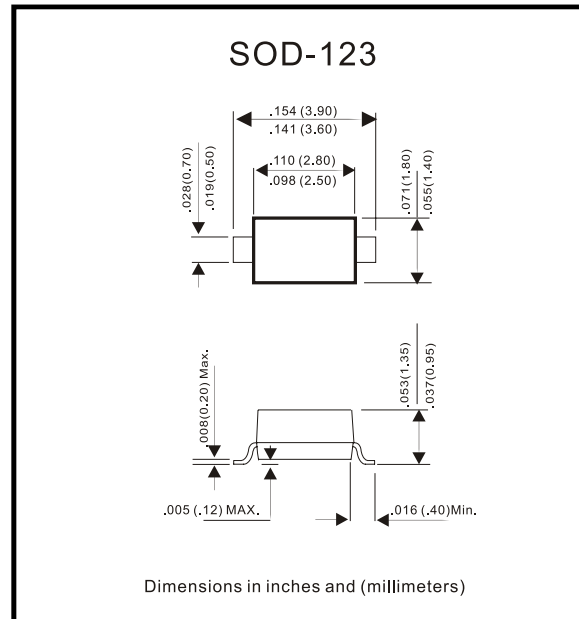
Mechanical data

Case:SOD-123, molded plastic.

Terminals: Solder plated, solderable per MIL-STD-750, method 208.

Polarity: Indicated by cathode band.

Approx. Weight: 0.01 gram



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	500	mA
Surge peak forward current	T = 1us	IFSM	4	A
Power dissipation		Pd	400	mW
Maximum forward voltage	@ IF = 5 mA @ IF = 10 mA @ IF = 100 mA @ IF = 150 mA	VF	0.72 0.855 1 1.25	V
Maximum reverse current	@ VR = 75V @ VR = 20V	IR	2.5 0.025	uA
Max reverse recovery time	IF=10mA, R=100 ohms	Trr	4	nS
Max diode capacitance	VR=0V, f=1MHz	CT	4	pF
Max. operation junction temperature		Tj	125	°C
Storage temperature		TSTG	-55 to +125	°C



RATING AND CHARACTERISTIC CURVES (CDSW4148-G)

Fig. 1 - Forward characteristics

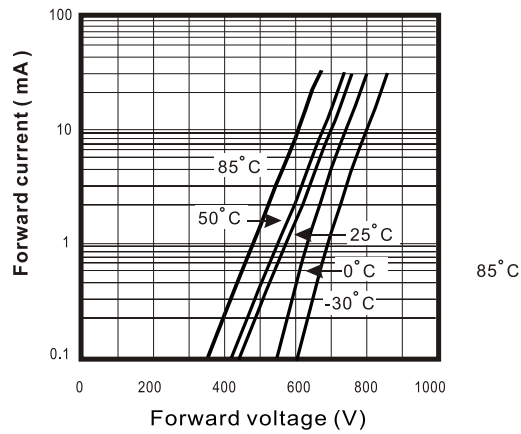


Fig. 2 - Reverse characteristics

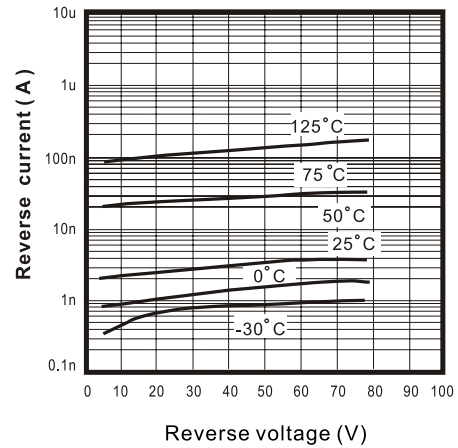


Fig. 3 - Capacitance between terminals characteristics

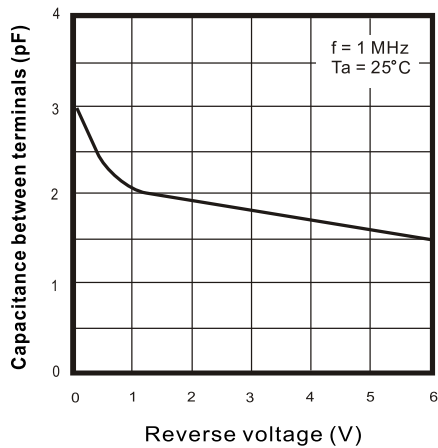


Fig. 4 - Power Derating Curve

