

CDSV3-4148-G / 4448-G

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.

Also available in other standard case styles: CDSF4148/4448 - 1005 size
 CDSU4148/4448 - 0603 size

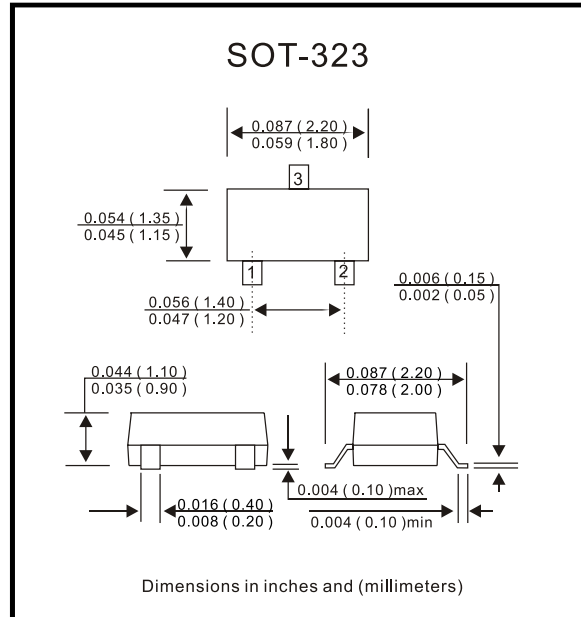
Mechanical data

Case: SOT-323 molded plastic.

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

Polarity: Indicated by cathode band.

Approx. weight: 0.006 gram



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

Parameter	Condition	Symbol	CDSV3-4148-G	CDSV3-4448-G	Unit
Repetitive peak reverse voltage		VRRM	75		V
Reverse voltage		VR	75		V
Forward current		IF	200		mA
Surge peak forward current	T = 1us	IFSM	2	4	A
Power dissipation		Pd	200		mW
Maximum forward voltage	@ IF = 5 mA @ IF = 50 mA @ IF = 100 mA	VF	- 1 -	0.72 - 1	V
Maximum reverse current	@ VR = 75V @ VR = 25V	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 (CDSV3-4148-G/4448-G)

Fig. 1 - Forward characteristics

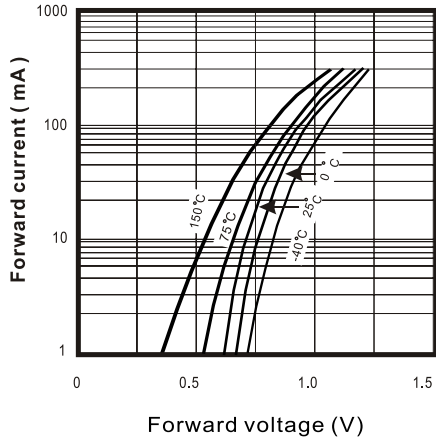


Fig. 2 - Reverse characteristics

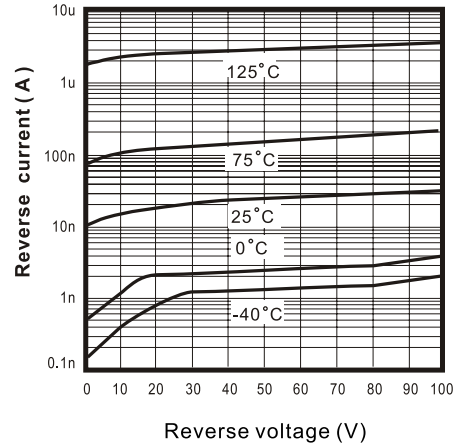


Fig. 3 - Capacitance between terminals characteristics

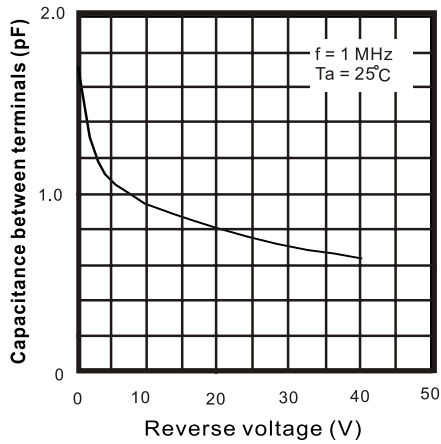


Fig. 4 - Power Derating Curve

