

CDSH3-221-G

Voltage: 20 Volts

Average forward current : 100 mA

RoHS Device



Features

Designed for mounting on small surface.

High speed switching.

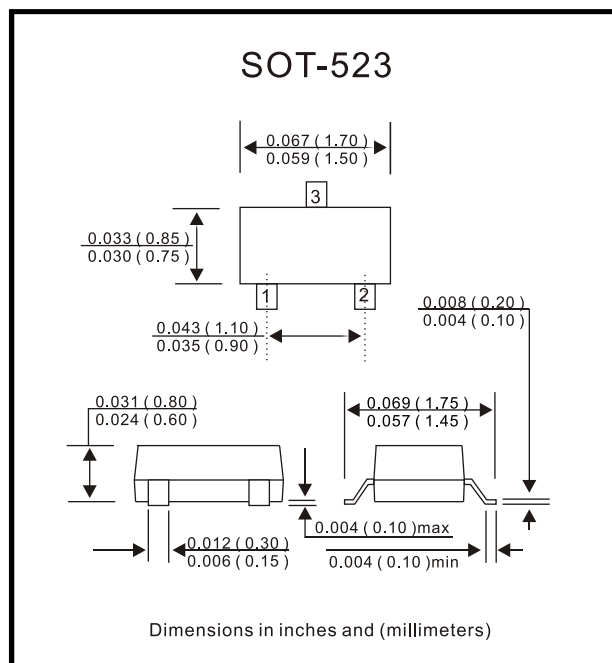
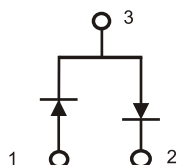
High mounting capability, strong surge withstand, high reliability.

Mechanical data

Case: SOT-323, molded plastic.

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

Approx. weight: 0.002 gram



Maximum Ratings and Electrical Characteristics

(at $T_a = 25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Condition	Symbol	Value	Unit
Repetitive peak reverse voltage		V_{RRM}	20	V
Reverse voltage		V_R	20	V
Average forward current		I_o	100	mA
Surge peak forward current	$T = 1.0 \mu\text{S}$	I_{FSM}	300	mA
Power dissipation		P_d	150	mW
Maximum forward voltage	@ $I_F = 10 \text{ mA}$	V_F	1.0	V
Maximum reverse current	@ $V_R = 15\text{V}$	I_R	0.1	μA
Max. operation junction temperature		T_j	150	$^{\circ}\text{C}$
Storage temperature		T_{STG}	-55 to +150	$^{\circ}\text{C}$

RATING AND CHARACTERISTIC CURVES (CDSH3-221-G)

Fig. 1 - Forward characteristics

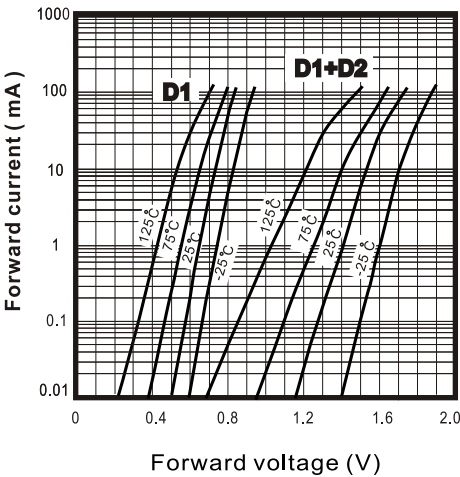


Fig. 2 - Reverse characteristics

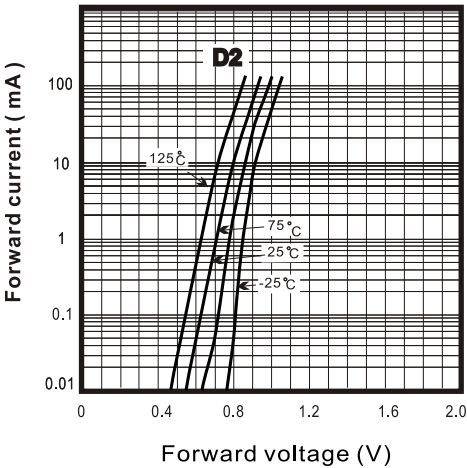


Fig. 3 - Capacitance between terminals characteristics

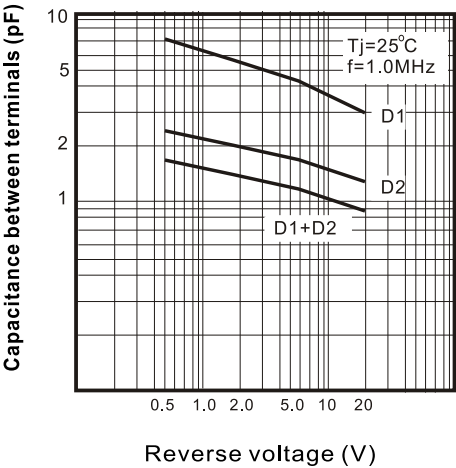


Fig. 4 - Reverse characteristics

