

## CDSH3-221-G

Voltage: 20 Volts

Current: 100 mA

RoHS Device



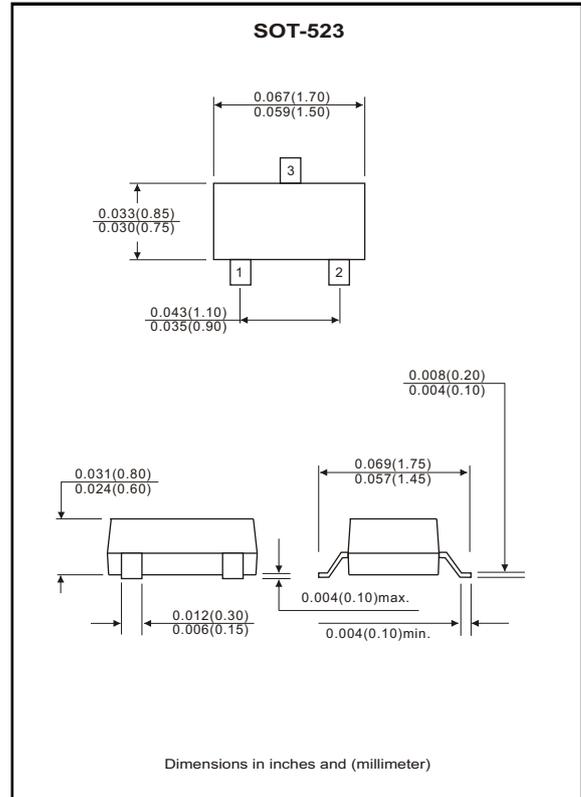
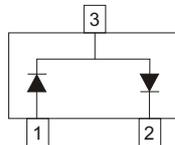
### Features

- Design for mounting on small surface.
- High speed switching.
- High mounting capability, strong surge withstand, high reliability.

### Mechanical data

- Case: SOT-523, molded plastic.
- Terminals: Solder plated, solderable per MIL-STD-202E, method 208C.
- Weight: 0.002 grams approx.

### Circuit Diagram



### Maximum Ratings and Electrical Characteristics

(at TA=25°C unless otherwise noted)

Parameter	Symbol	Conditions	Value	Unit
Peak repetitive reverse voltage	$V_{RRM}$		20	V
Reverse voltage	$V_R$		20	V
Average forward current	$I_O$		100	mA
Peak forward surge current	$I_{FSM}$	$T_P=1.0\mu S$	300	mA
Power dissipation	$P_D$		150	mW
Maximum forward voltage	$V_F$	@ $I_F=10mA$	1.0	V
Maximum reverse current	$I_R$	@ $V_R=15V$	0.1	$\mu A$
Maximum operating junction temperature	$T_J$		150	°C
Storage temperature	$T_{STG}$		-55 to +150	°C

## Rating and Characteristic Curves (CDSH3-221-G)

Fig.1 Forward Characteristics

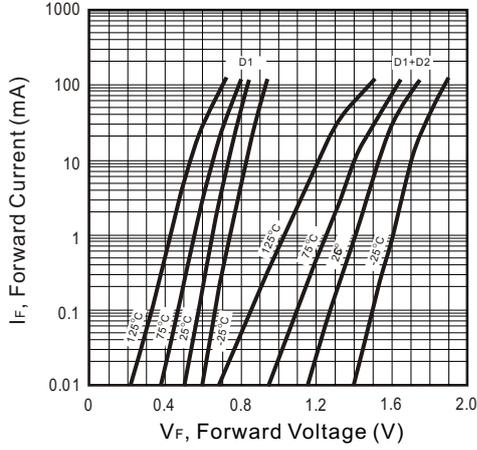


Fig.2 Forward Characteristics

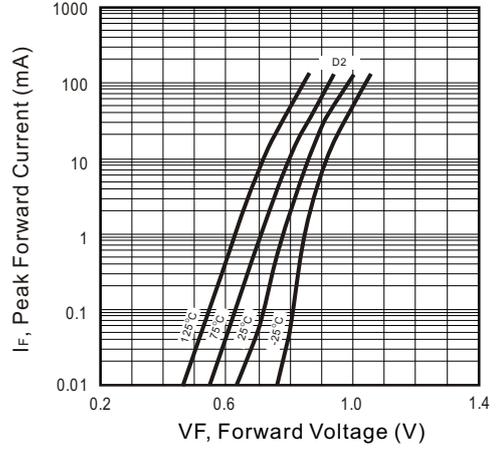


Fig.3 Capacitance Between Terminals Characteristics

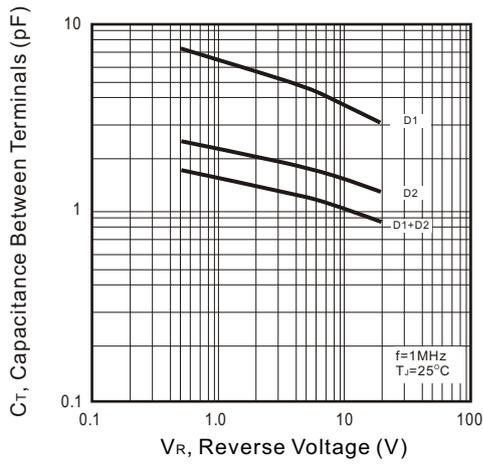


Fig.4 Reverse Characteristics

