

Small Signal Switching Diodes

Comchip
SMD Diode Specialist

CDSH3-221-G

Voltage: 20 Volts

Current: 100 mA

RoHS Device



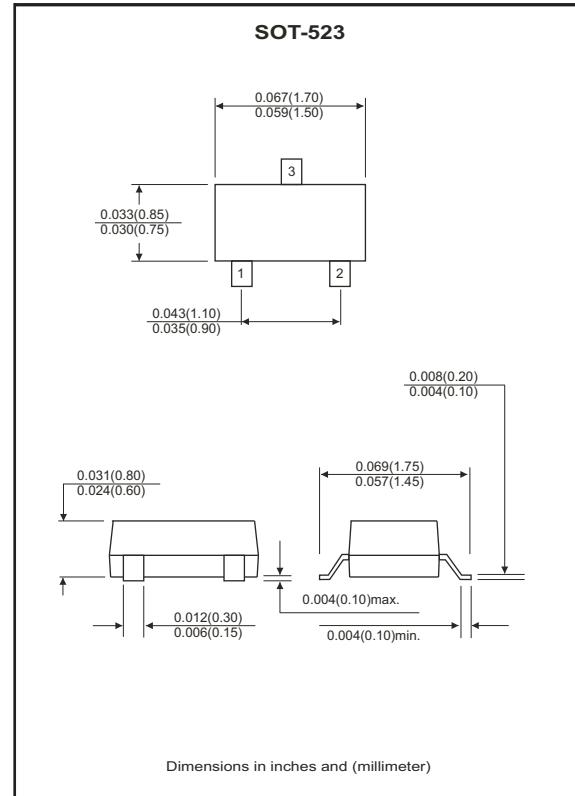
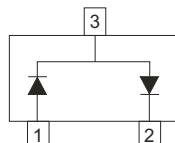
Features

- 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 =1.0μS	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	μA
Maximum operating junction temperature	T _J		150	°C
Storage temperature	T _{STG}		-55 to +150	°C

REV:A

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Rating and Characteristic Curves (CDSH3-221-G)

Fig.1 - Forward Characteristics

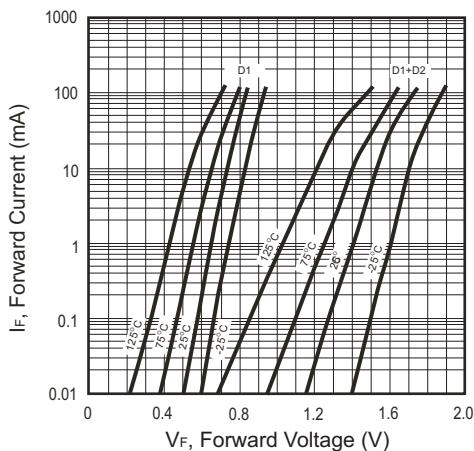


Fig.2 - Forward Characteristics

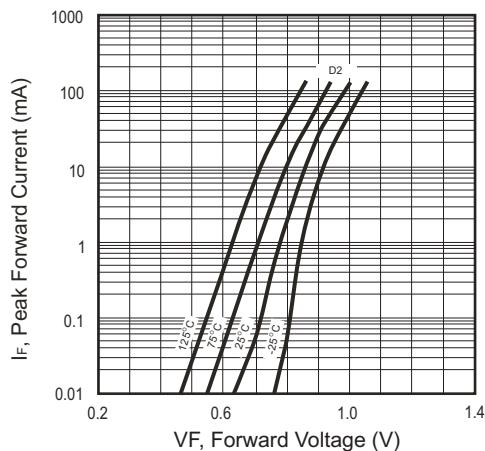


Fig.3 - Capacitance Between Terminals Characteristics

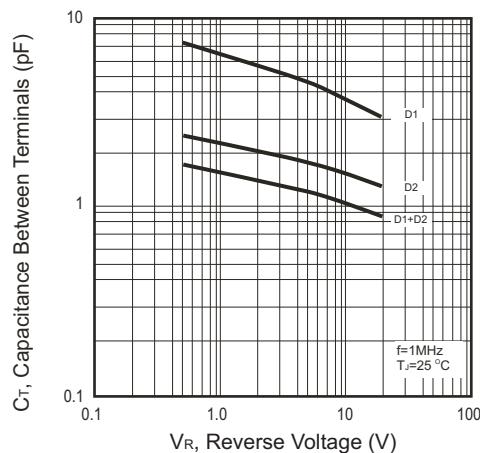


Fig.4 - Reverse Characteristics

