



# CHUANGYUAN TECHNOLOGES (HK) LIMITED

## SOT-323 Plastic-Encapsulate Diode

### 1SS370 SWITCHING DIODE

#### FEATURES

- Small surface mounting type
- High Speed
- High reliability with high surge current handing capability

MAKING: F5

#### SOT-323



1. ANODE
2. N.C.
3. CATHODE

Unit:mm

#### Maximum Ratings and Electrical Characteristics, Single Diode @T<sub>A</sub>=25°C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V <sub>RM</sub>	250	V
DC reverse voltage	V <sub>R</sub>	200	V
Peak forward current	I <sub>FM</sub>	300	mA
Mean rectifying current	I <sub>O</sub>	100	mA
Surge current (10ms)	I <sub>FSM</sub>	2	A
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-55~+125	°C

#### Electrical Ratings @T<sub>A</sub>=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>			1 1.2	V	I <sub>F</sub> =10mA I <sub>F</sub> =100mA
Reverse current	I <sub>R</sub>			0.1 1	μA	V <sub>R</sub> =50V V <sub>R</sub> =200V
Capacitance between terminals	C <sub>T</sub>			3.0	pF	V <sub>R</sub> =0, f=1MHZ
Reverse recovery time	t <sub>rr</sub>			60	ns	V <sub>R</sub> =6V, I <sub>F</sub> =10mA, I <sub>rr</sub> =0.1*I <sub>R</sub>