



SOT-323 Plastic-Encapsulated 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_A=25°C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	250	V
DC reverse voltage	V _R	200	V
Peak forward current	I _{FM}	300	mA
Mean rectifying current	I _O	100	mA
Surge current (10ms)	I _{FSM}	2	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55~+125	°C

Electrical Ratings @T_A=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F			1 1.2	V	I _F =10mA I _F =100mA
Reverse current	I _R			0.1 1	μA	V _R =50V V _R =200V
Capacitance between terminals	C _T			3.0	pF	V _R =0, f=1MHZ
Reverse recovery time	t _{rr}			60	ns	V _R =6V, I _F =10mA, I _{rr} =0.1*I _R