



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOD-323 Plastic-Encapsulate Diodes

1SS404 High Speed SWITCHING Diodes

SOD-323



FEATURES

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

MARKING:S51

Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25°C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	25	V
DC reverse voltage	V_R	20	V
Peak forward current	I_{FM}	700	mA
Mean rectifying current	I_O	300	mA
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_{F1}		0.16		V	$I_F=1mA$
	V_{F2}		0.22		V	$I_F=10mA$
	V_{F3}		0.38	0.45	V	$I_F=300mA$
Reverse current	I_R			50	μA	$V_R=20V$
Capacitance between terminals	C_T		46		pF	$V_R=0V, f=1MHZ$

Typical Characteristics

1SS404

