

**SOD-323 Plastic-Encapsulate Diodes**

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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

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