

SOD-323 Plastic-Encapsulate Diodes

SD107WS FAST SWITCHING DIODES

SOD-323



FEATURES

- Low turn-on voltage
- Fast switching

MARKING: SG

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

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	V _{RM}	30	V
Forward Current	I _{FM}	100	mA
Forward surge Current t _p =10ms	I _{FSM}	750	mA
Power dissipation T _C =25°C	P _{tot}	250	mW
Thermal resistance junction to ambient air	T _{eJA}	500	°C/W
Junction temperature	T _J	150	°C
Storage temperature	T _{STG}	-65~+150	°C

Electrical Ratings @T_A=25°C

Parameter	Symbol	Min.	Typ	Max.	Unit	Conditions
Reverse breakdown voltage	V _R	30			V	I _R =100μA
Forward voltage	V _F		300 360 470 580	550 800	mV	I _F =2mA I _F =15mA I _F =50mA I _F =100mA
Reverse current	I _R			1	μA	V _R =25V
Capacitance between terminals	C _T		7		pF	V _R =10V,f=1MHz