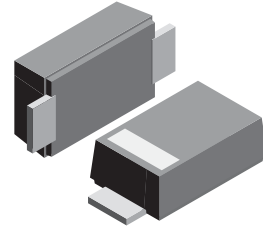


VOLTAGE RANGE: 30V
CURRENT: 100mA

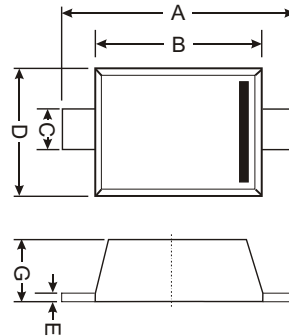
Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Low power loss, high efficiency
- For use in low voltage high frequency inverters, free wheeling, and polarity protection applications
- Guardring for over voltage protection
- High temperature soldering guaranteed: 260 C/10 seconds at terminals



Mechanical Data

- Case: SOD-523, Plastic
- Case material - UL Flammability Rating Classification 94V-0
- Marking Code: N
- Weight: 0.002 grams (approx.)



SOD-523		
Dim	Min	Max
A	1.50	1.70
B	1.10	1.30
C	0.25	0.35
D	0.70	0.90
E	0.10	0.20
G	0.50	0.70
All Dimensions in mm		

Maximum Ratings @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
Reverse voltage(DC)	V _R	30	V
Average rectified forward current	I _o	100	mA
Forward current surge peak(60Hz/1cyc)	I _{FSM}	500	mA
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40to+125	°C

Electical voltage (T_a=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.35	V	I _F =10mA
Reverse current	I _R	-	-	10	μA	V _R =10V

