

Features

Small surface mounting type.

Low reverse current and low forward voltage.

High reliability.



SOD-523



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
HRB521S30TE61	SOD-523	С	3000

Maximum Ratings (Ta=25°C unless otherwise noted)

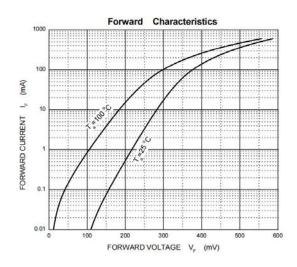
Symbol	Parameter	Value	Unit
VR	DC reverse voltage	30	V
lo	Mean rectifying current	200	mA
IFSM	Non-repetitive Peak Forward Surge Current@8.3mS	1000	mA
Pd	Power Dissipation	150	mW
Rөja	Thermal Resistance From Junction To Ambient	667	°C/W
TJ	Operation Junction Temperature Range	-40~+125	°C
Тѕтс	Storage Temperature Range	-55~+150	°C

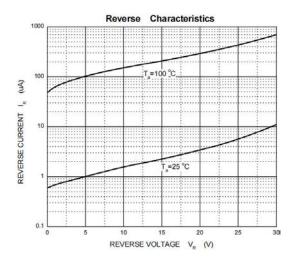
Electrical Characteristics (Ta=25°C unless otherwise noted)

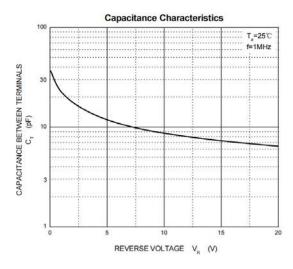
Symbol	Parameter	Test conditions	Min	Тур	Max	Unit
IR	Reverse voltage leakage current	V _R =10V		31	30	μA
V _F (1)	Forward voltage	I _F =10mA			0.35	V
V _F (2)	Forward voltage	I=200mA			0.50	V

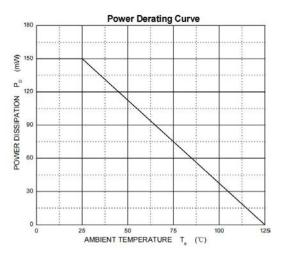


Typical Characteristics



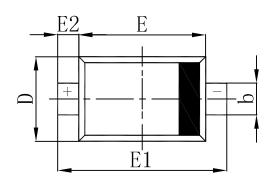


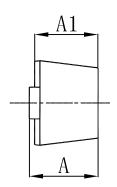


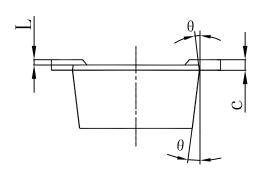




SOD-523 Package Outline Dimensions







Sym ol	imensions In Millimeters		imensions In Inches	
Sym ol	Min	Max	Min	Max
Α	0.510	0.770	0.020	0.031
A1	0.500	0.700	0.020	0.028
b	0.250	0.350	0.010	0.014
С	0.080	0.150	0.003	0.006
D	0.750	0.850	0.030	0.033
Е	1.100	1.300	0.043	0.051
E1	1.500	1.700	0.059	0.067
E2	0.200 REF		0.008 REF	
L	0.010	0.070	0.001	0.003
θ	7° REF		7° REF	



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