

Features

- Average Rectified Output Current:I_O= 500mA
- Power Dissipation of 410mW

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)	
NRVB0540T3G	SOD-123	R4	3000	





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

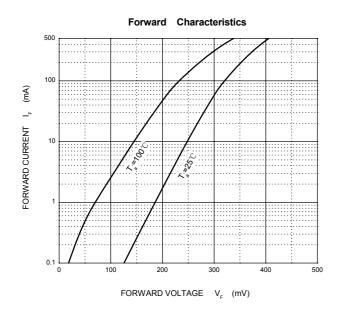
Parameter	Symbol	Limit	Unit
Maximum recurrent peak reverse voltage	V_{RRM}	40	
Maximum RMS voltage	V _{RMS}	28	V
Mean rectifying current	Io	0.5	Α
Non-repetitive Peak forward surge current @t=8.3ms	I _{FSM}	5.5	А
Power Dissipation	Pd	410	mW
Thermal Resistance Junction to Ambient	R _{θJA}	244	°C/W
Operating Junction Temperature Range	T _j	-40 ~ +125	°C
Storage Temperature Range	T _{stg}	-55 ~ +150	°C

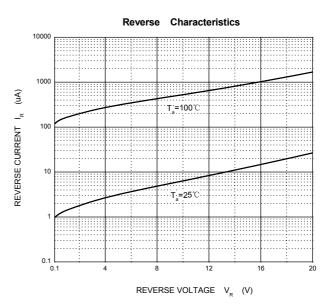
Electrical Characteristics (Ta=25°C unless otherwise specified)

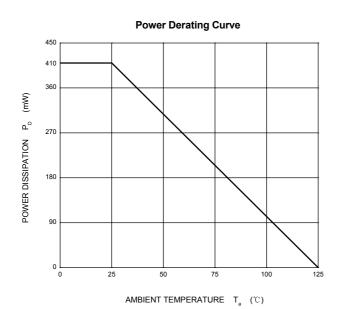
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F			0.55	٧	I _F =500mA
Reverse current	I _R			80	μA	V _R =40V
Capacitance between terminals	C _T		30		pF	V _R =4V, f=1MHZ



Typical Characteristics

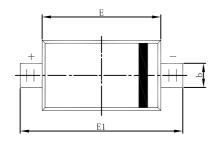


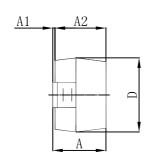


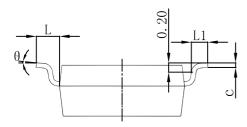




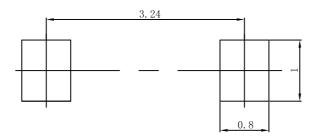
SOD-123 Package Outline Dimensions







Symbol	Dimensions	In Millimeters	Dimensions In Inches		
	Min	Max	Min	Max	
Α	1.050	1.250	0.041	0.049	
A1	0.000	0.100	0.000	0.004	
A2	1.050	1.150	0.041	0.045	
b	0.450	0.650	0.018	0.026	
С	0.080	0.150	0.003	0.006	
D	1.500	1.700	0.059	0.067	
Е	2.600	2.800	0.102	0.110	
E1	3.550	3.850	0.140	0.152	
L	0.500 REF		0.020 REF		
L1	0.250	0.450	0.010	0.018	
θ	0°	8°	0°	8°	



Note:

- 1.Controlling dimension:in millimeters.
- 2.General tolerance:± 0.05mm.
- 3. The pad layout is for reference purposes only.



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