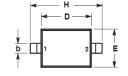
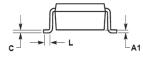


SURFACE MOUNT FAST SWITCHING DIODE

Features

- Fast Switching Speed.
- Surface Mount Package Switching Applications.
- High Conductance.
- Marking Code:T4





√A3	

Dim.	Min.	Max.			
Α	0.80	1.10			
A1	0.00	0.10			
A3	0.15 REF				
В	0.25	0.40			
С	0.10	0.15			
D	1.60	1.80			
Е	1.15	1.35			
L	0.20	0.50			
Н	2.30	2.80			
Dimensions in millimeter					

SOD-323

Maximum Ratings @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	100	V
Reverse Voltage	V_R	75	V
Average Rectified Forward Current	I _{F(AV)}	150	mA
Non-repetitive Peak Forward Surge Current at t = 1 s at t = 1 µs	I _{FSM}	1 2	А
Power Dissipation	P _{tot}	200	mW
Thermal Resistance from Junction to Ambient Air	$R_{\theta JA}$	625	°C/W
Junction Temperature	Tj	150	$^{\circ}$
Storage Temperature Range	T _{stg}	- 65 to + 150	$^{\circ}$

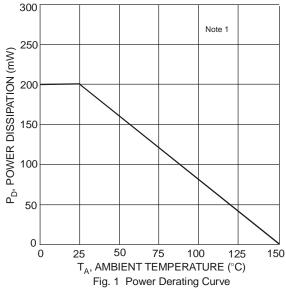
Electrical Characteristics @ T_A = 25°C unless otherwise specified

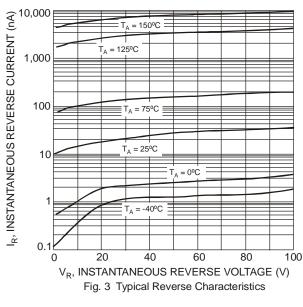
Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 5 \mu A$	V _{(BR)R}	75	-	V
Forward Voltage at I_F = 1 mA at I_F = 10 mA at I_F = 50 mA at I_F = 150 mA	V _F	- - -	0.715 0.855 1 1.25	V
Peak Reverse Current at V_R = 75 V at V_R = 20 V at V_R = 75 V, T_J = 150°C at V_R = 25 V, T_J = 150°C	l _R	- - -	1 25 50 30	μΑ nA μΑ μΑ
Total Capacitance at $V_R = 0 V$, $f = 1 MHz$	Ст	-	2	pF
Reverse Recovery Time at I _F = 10 mA, I _{rr} = 1 mA, V_R = 6 V, R_L = 100 Ω	t _{rr}	-	4	ns

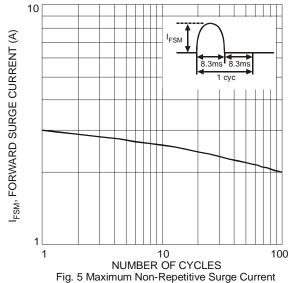


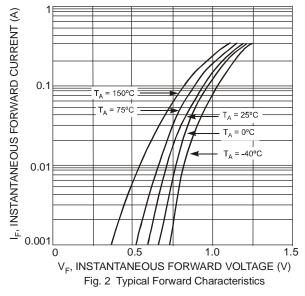
SURFACE MOUNT FAST SWITCHING DIODE

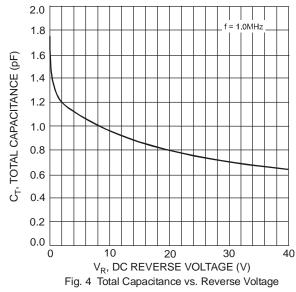
TYPICAL TRANSIENT CHARACTERISTICS

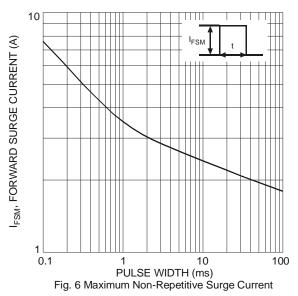














SURFACE MOUNT FAST SWITCHING DIODE

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