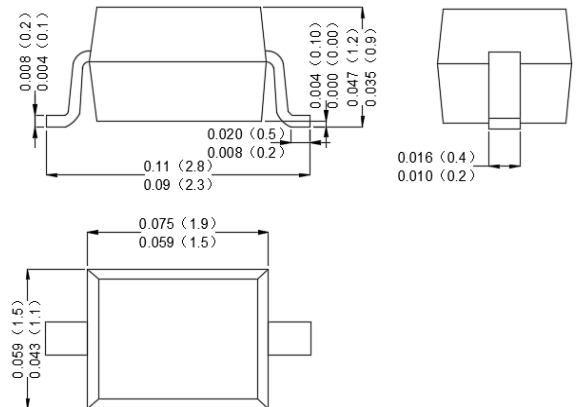




Features

- Low forward voltage drop

SOD-323



Mechanical Data

- Case:Molded Plastic,SOD-323
- Epoxy:UL 94V-0 rate flame retardant
- Terminals:Plated Leads Solderable per MIL-STD-750,Method-2026
- Mounting Position : Any.
- Marking:YH

Dimensions in inches and (millimeters)

Maximum Ratings Maximum Ratings (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Non-Repetitive Peak Reverse Voltage	V_{RSM}	30	V
DC Blocking Voltage	V_R	30	V
Forward Continuous Current	I_{FM}	100	mA
Non-Repetitive Peak Forward Surge Current ($t \leq 10$ ms)	I_{FSM}	750	mA
Power Dissipation	P_d	250	mW
Operating and Storage Temperature Range	T_j, T_{stg}	- 65 to + 125	°C

Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at $I_F = 50$ mA at $I_F = 100$ mA	V_F	- -	0.55 0.8	V
Reverse Breakdown Voltage at $I_R = 100$ μ A	$V_{(BR)R}$	30	-	V
Reverse Current at $V_R = 25$ V	I_R	-	1	μ A



Rating And Characteristic Curves

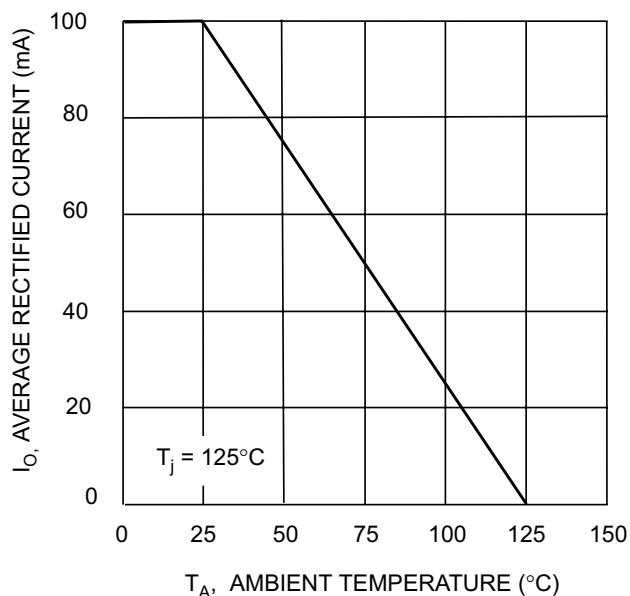


Fig. 1 Forward Current Derating Curve

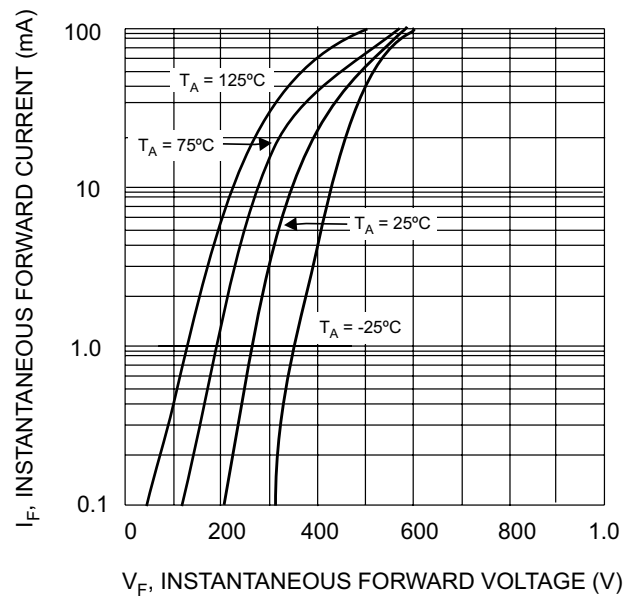


Fig. 2 Typical Forward Characteristics

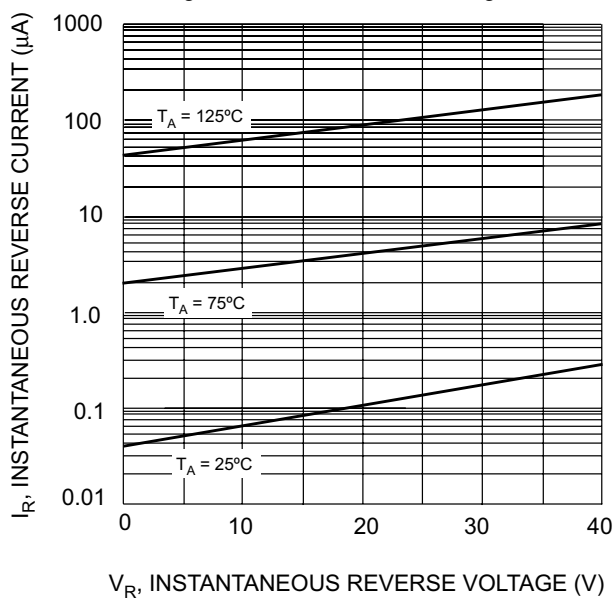


Fig. 3 Typical Reverse Characteristics

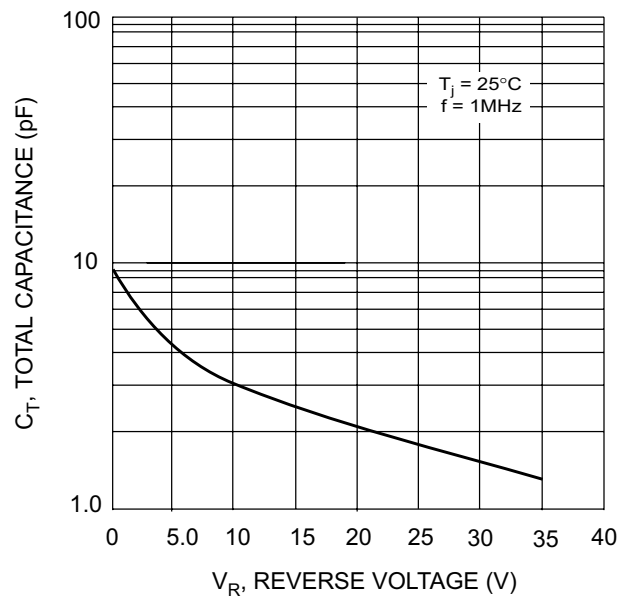


Fig. 4 Total Capacitance vs. Reverse Voltage



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