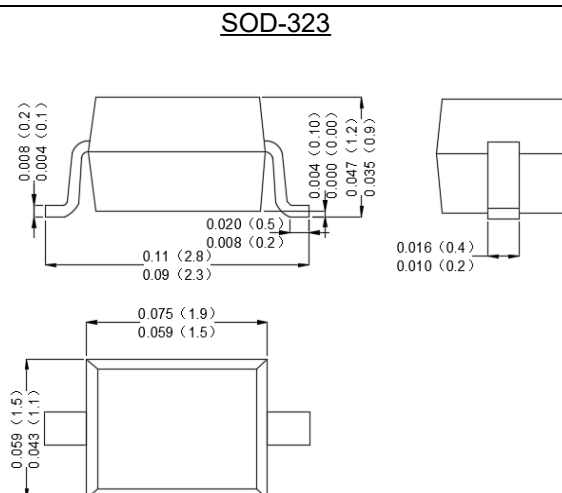


Features

- Low power rectified
- Silicon epitaxial type
- High reliability

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:YK



Dimensions in inches and (millimeters)

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

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	30	V
Forward Current	I_F	0.2	A
Repetitive Peak Forward Current	I_{FRM}	0.5	A
Non-Repetitive Peak Forward Current (8.3 ms)	I_{FSM}	1	A
Power Dissipation	P_D	150	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	- 55 to + 150	°C

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

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10 \text{ mA}$ at $I_F = 30 \text{ mA}$	V_F	0.4 0.5	V
Reverse Current at $V_R = 30 \text{ V}$	I_R	1	μA
Total Capacitance at $V_R = 1 \text{ V}$, $f = 1 \text{ MHz}$	C_T	10	pF



Rating And Characteristic Curves

Fig. 1 I_F - V_F

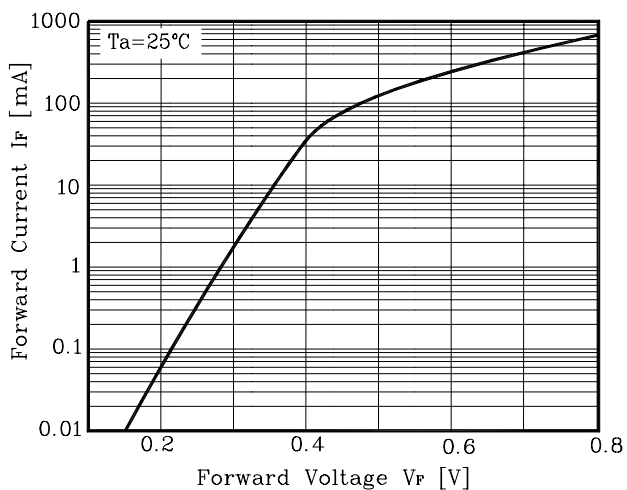


Fig. 2 I_R - V_R

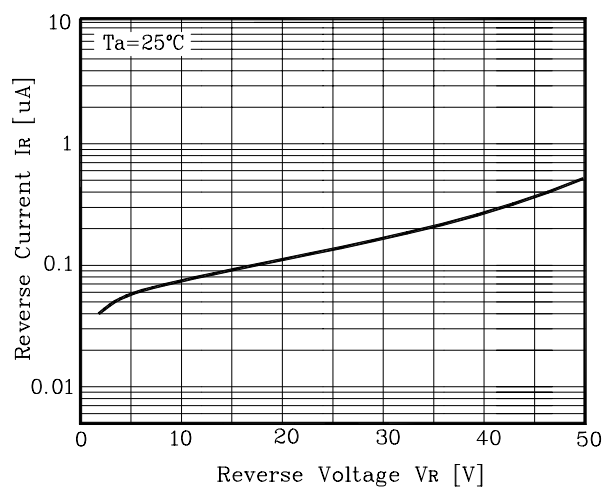
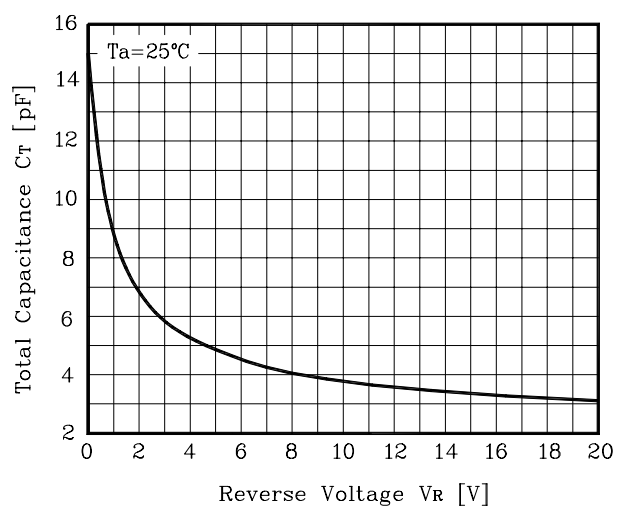


Fig. 3 C_T - V_R





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