



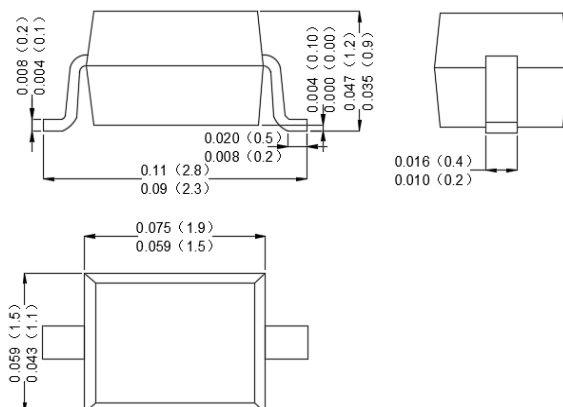
### Features

- Low forward voltage drop and suitable for high efficiency rectifying
- Ultra small resin package is suitable for high density surface mounting and high speed assembly

### 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:YF



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
Mean Rectifying Current	$I_O$	100	mA
Non-Repetitive Peak Forward Surge Current (8.3 ms Single Half Sine Wave)	$I_{FSM}$	1	A
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_{stg}$	- 55 to + 125	°C

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

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100$ mA	$V_F$	0.44	V
Reverse Current at $V_R = 30$ V	$I_R$	50	μA



### Rating And Characteristic Curves

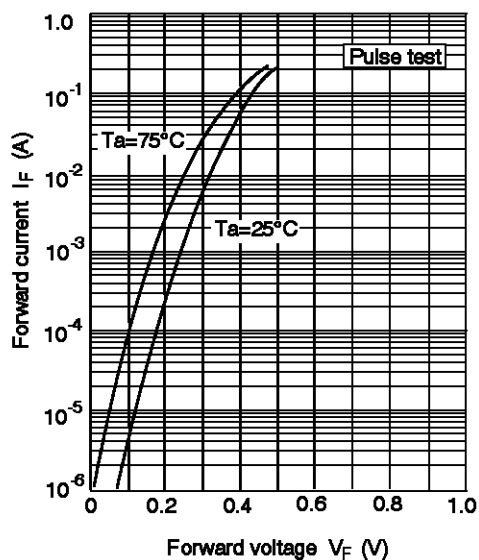


Fig.1 Forward current Vs. Forward voltage

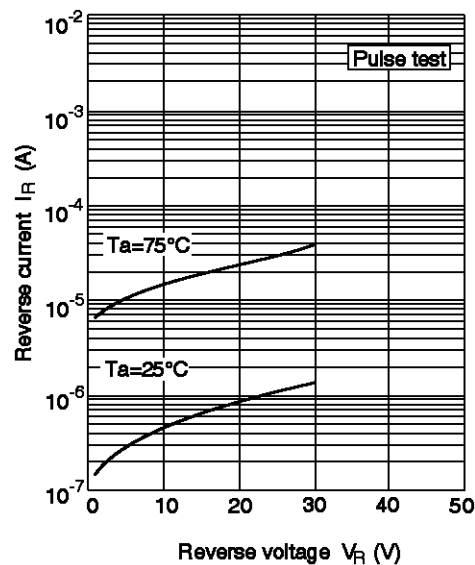


Fig.2 Reverse current Vs. Reverse voltage

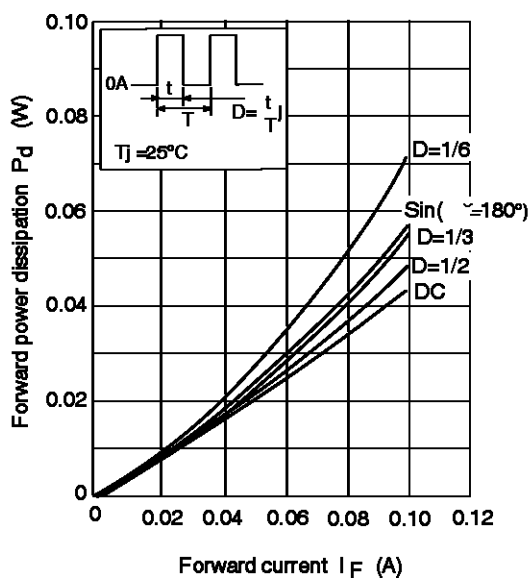


Fig.3 Forward power dissipation Vs. Forward current

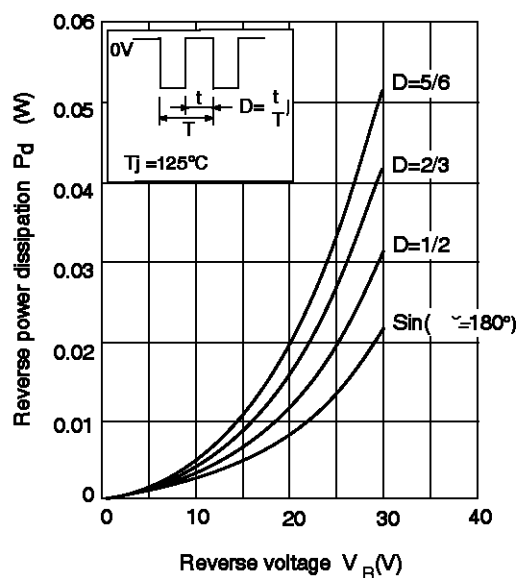


Fig.4 Reverse power dissipation Vs. Reverse voltage



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