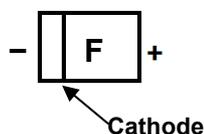


RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

## FEATURES

- Low Forward Voltage Drop
- Small Surface Mounting Type
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode
- Weight: Approx.0.001g

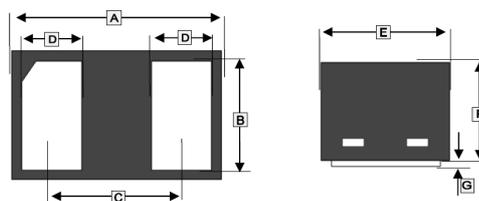
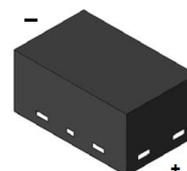
## MARKING



## PACKAGE INFORMATION

Package	MPQ	Leader Size
SOD-882	10K	7inch

## SOD-882



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.95	1.05	E	0.55	0.65
B	0.45	0.55	F	0.46	0.50
C	0.65 TYP		G	-	0.03
D	0.20	0.30			



## ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C unless otherwise specified)

Parameter	Symbol	Limits	Unit
DC Reverse Voltage	V <sub>R</sub>	30	V
Average Forward Current	I <sub>F</sub>	200	mA
Peak Forward Surge Current @8.3ms Single Half Sine-Wave	I <sub>FSM</sub>	0.5	A
Power Dissipation	P <sub>D</sub>	150	mW
Operating Junction and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	125, -55 ~ 125	°C

## ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C unless otherwise specified)

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Forward Voltage	V <sub>F</sub>	-	-	0.35	V	I <sub>F</sub> =10mA
		-	-	0.5		I <sub>F</sub> =200mA
Reverse Current	I <sub>R</sub>	-	-	30	uA	V <sub>R</sub> =10V

**RATINGS AND CHARACTERISTIC CURVES**

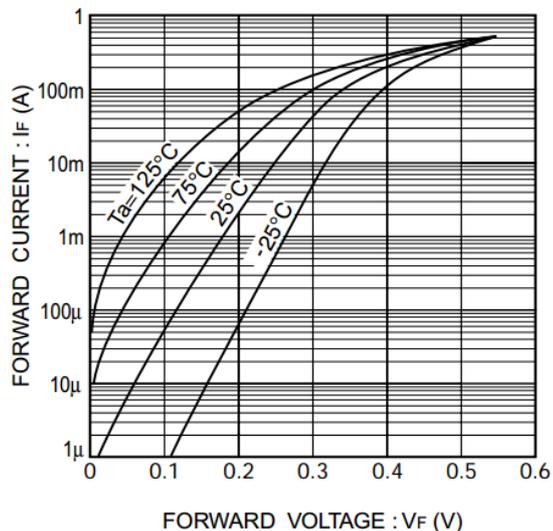


Figure 1. Forward characteristics

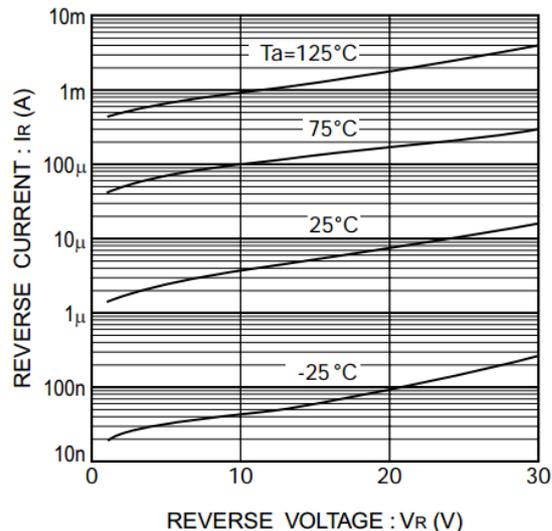


Figure 2. Reverse characteristics

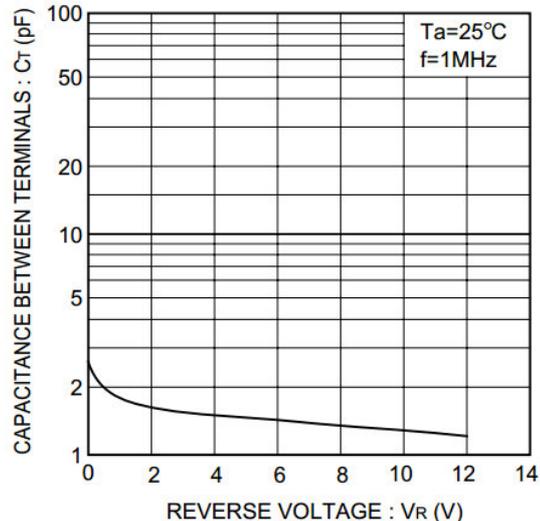


Fig. 3 Capacitance between terminals characteristics

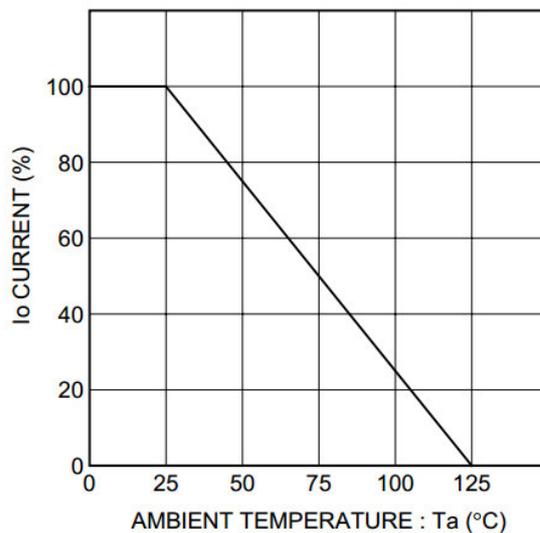


Fig. 4 Derating curve (mounting on glass epoxy PCBs)