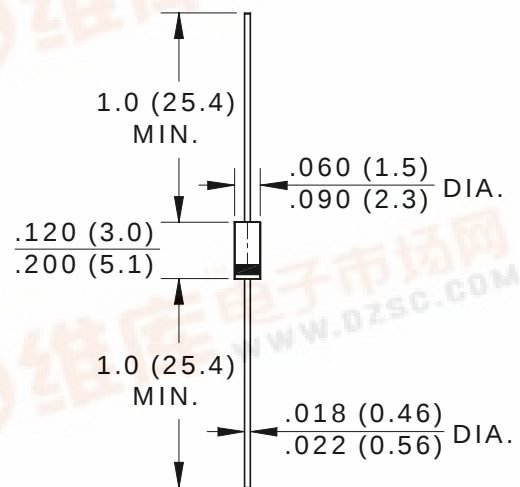


**SHANGHAI SUNRISE ELECTRONICS CO., LTD.****2CK48, 2CK48A, 2CK48B****SILICON EPITAXIAL PLANAR****SWITCHING DIODE****REVERSE VOLTAGE: 35-60-90V****FORWARD CURRENT: 150mA****TECHNICAL
SPECIFICATION****FEATURES**

- Small glass structure ensures high reliability
- Fast switching
- Low leakage
- High temperature soldering guaranteed:
250°C/10S/9.5mm lead length
at 5 lbs tension

MECHANICAL DATA

- Terminal: Plated axial leads solderable per
MIL-STD 202E, method 208C
- Case: Glass, hermetically sealed
- Polarity: Color band denotes cathode
- Mounting position: Any

DO - 35

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

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

RATINGS	SYMBOL	2CK48	2CK48A	2CK48B	UNITS
Reverse Voltage	V _R	35	60	90	V
Peak Reverse Voltage	V _{RM}	40	70	100	V
Forward Current (average)	I _O	150			mA
Repetitive Forward Peak Current	I _{FRM}	450			mA
Forward Voltage (I _F =10mA)	V _F	1			V
Reverse Current (V=V _R)	I _{R1}	1			μA
Reverse Current (V=V _R , T _J =100°C)	I _{R2}	20			μA
Capacitance (Note 1)	Ct	3			pF
Reverse Recovery Time (Note 2)	trr	5	4		nS
Thermal Resistance (junction to ambient) (Note 3)	R _θ (ja)	0.35			°C/mW
Operating Junction and Storage Temperature Range	T _{STG} , T _J	-55 ~+175			°C

Note

1. $V_R=1V, f=1 MHz$
2. $I_F=10mA$ to $I_R=10mA, I_{rr}=1mA$
- 3: Valid provided that leads are kept at ambient temperature at a distance of 8mm from case.

