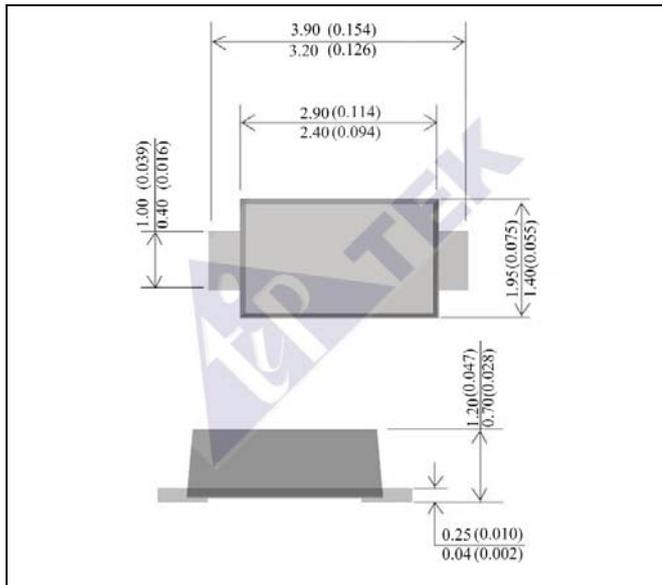


2.0A SURFACE MOUNT SCHOTTKY BARRIER



CASE : SOD-123L

DIMENSIONS IN MILLIMETERS AND (INCHES)

FEATURES

- LOW POWERLOSSES,HIGH EFFICIENCY
- LOW FORWARD VOLTAGE DROP
- HIGH SURGE CAPABILITY
- ULTRAFAST REVERSE RECOVERY TIME
- BOTH NORMAL AND Pb FREE PRODUCT

ARE AVAILABLE:

NORMAL:80~95%Sn,5~20%Pb

Pb FREE:98.5% Sn ABOVE

MECHANICAL DATA

- CASE : SOD-123L,PLASTIC
- TERMINALS : SOLDERABLE PER MIL-STD-202, METHOD208
- APPROX. WEIGHT:0.0016 GRAM
- Pb-Free: SS2020L~SS2100L
Halogen Free: SS2020L-H~SS2100L-H

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS. AT T _A =25°C									
PARAMETER	SYMBOL	SS2020L	SS2030L	SS2040L	SS2050L	SS2060L	SS2080L	SS2100L	UNITS
PEAK REPETITIVE PEAK REVERSE VOLTAGE	V _{RRM}	20	30	40	50	60	80	100	V
MAXIMUM RMS VOLTAGE	V _{RMS}	14	21	28	35	42	56	70	
DC BLOCKING VOLTAGE	V _R	20	30	40	50	60	80	100	
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT	I _O	2							A
NON-REPETITIVE PEAK FORWARD CURRENT @8.3ms	I _{FSM}	40							A
MAXIMUM INSTANTANEOUS FORWARD VOLTAGE @2A	V _F	0.55		0.7		0.85		V	
MAXIMUM DC REVERSE CURRENT AT V _R T _A =25°C T _A =100°C	I _R	1.0 10							mA
TYPICAL JUNCTION CAPACITANCE AT 4.0V ,1MHz	C _J	150							pF
STORAGE TEMPERATURE	T _{stg}	-65 TO +125							°C

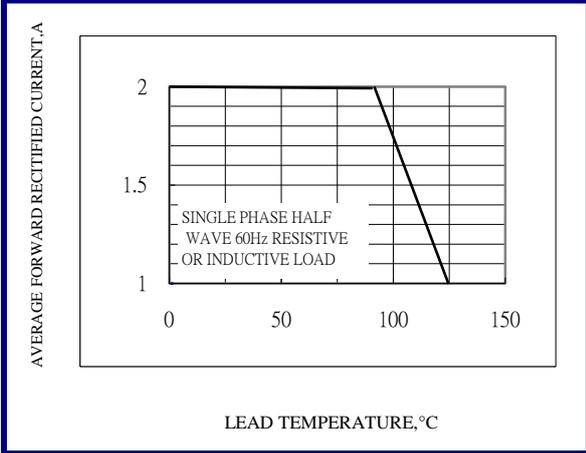


Fig. 1-FORWARD CURRENT DERATING CURVE

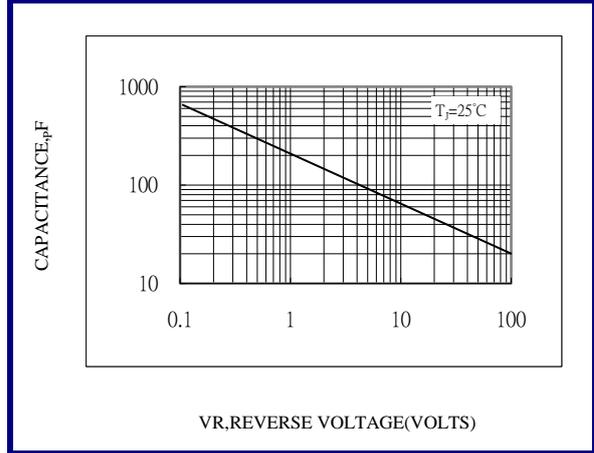


Fig. 2-TYPICAL JUNCTION CHARACTERISTIC

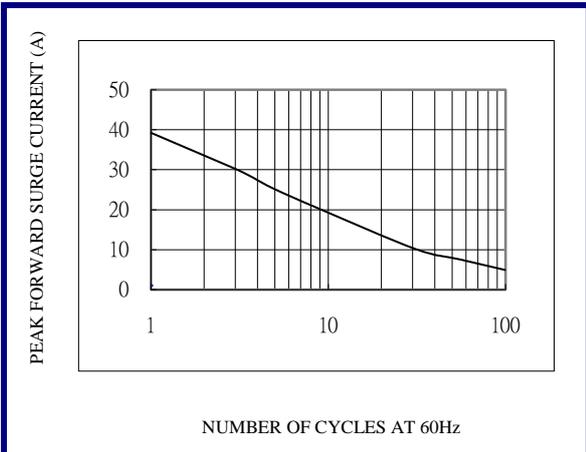


Fig. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

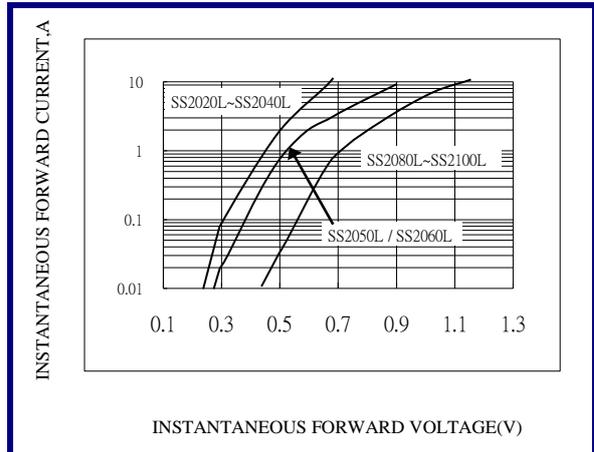


Fig. 4- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

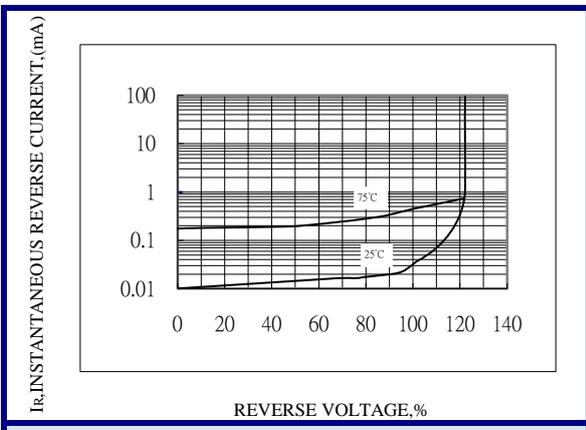


Fig. 5-TYPICAL REVERSE CHARACTERISTICS