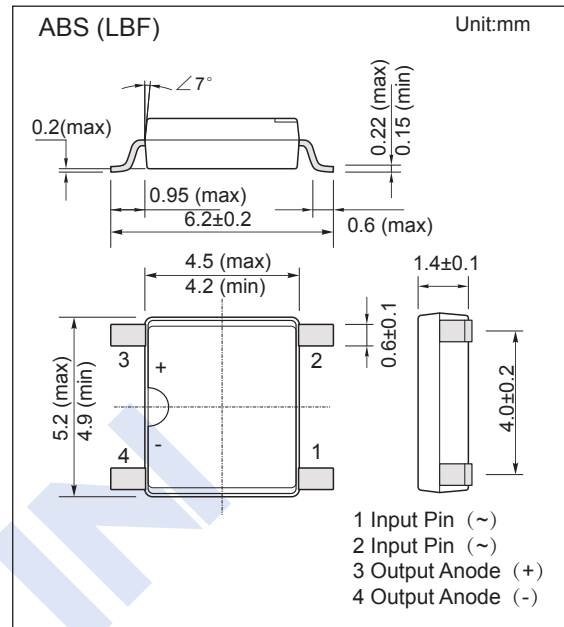


## Bridge Rectifier

## ABS1 ~ ABS10 (KBS1 ~ KBS10)

## ■ Features

- Glass Passivated Chip Junction
- Reverse Voltage - 100 to 1000 V
- Forward Current - 1A
- High Surge Current Capability
- Designed for Surface Mount Application



## ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	ABS1	ABS2	ABS4	ABS6	ABS8	ABS10	Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	100	200	400	600	800	1000	V
RMS Voltage	V <sub>RSM</sub>	70	140	280	420	560	700	
DC Blocking Voltage	V <sub>DC</sub>	100	200	400	600	80	1000	
Forward Voltage @ I <sub>F</sub> =0.4A	V <sub>F</sub>	1						
@ I <sub>F</sub> =0.8A		1.1						
Average Rectified Output Current @ Ta=40°C	I <sub>O</sub>	1						A
Peak Forward Surge Current @ 8.3ms	I <sub>FSM</sub>	35						
Maximum DC Reverse Current	I <sub>R</sub>	5						μA
		50						
		100						
Typical Junction Capacitance *1	C <sub>j</sub>	13						pF
Thermal Resistance.Junction- to-Ambient	R <sub>θJA</sub>	85						°C/W
Thermal Resistance.Junction- to-Lead	R <sub>θJL</sub>	30						
Junction Temperature	T <sub>j</sub>	150						°C
Storage Temperature	T <sub>stg</sub>	-55 to 150						

\* 1 Measured at 1MHz and applied reverse voltage of 4V D.C

## ■ Marking

NO.	ABS1	ABS2	ABS4	ABS6	ABS8	ABS10
Marking	ABS1	ABS2	ABS4	ABS6	ABS8	ABS10

## Bridge Rectifier

### ABS1 ~ ABS10 (KBS1 ~ KBS10)

#### ■ Typical Characteristics

Fig.1 Average Rectified Output Current Derating Curve

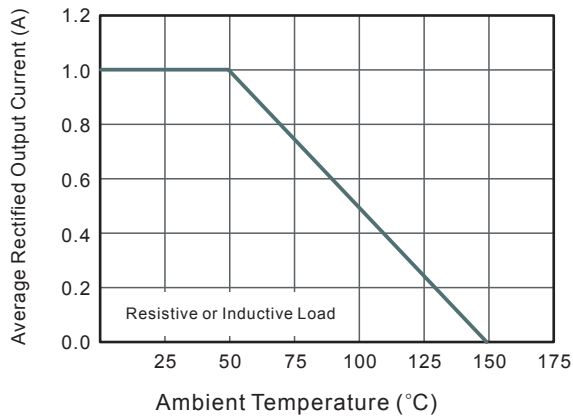


Fig.2 Typical Reverse Characteristics

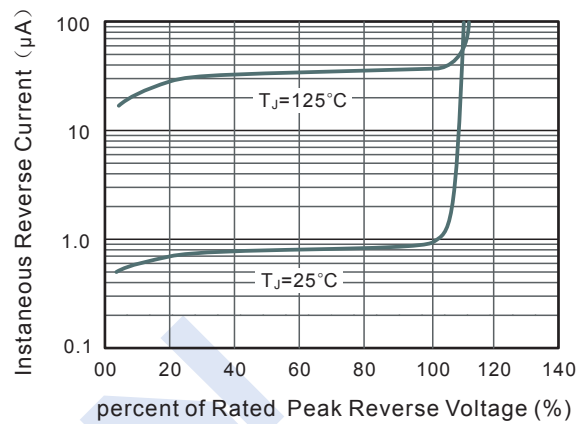


Fig.3 Typical Instantaneous Forward Characteristics

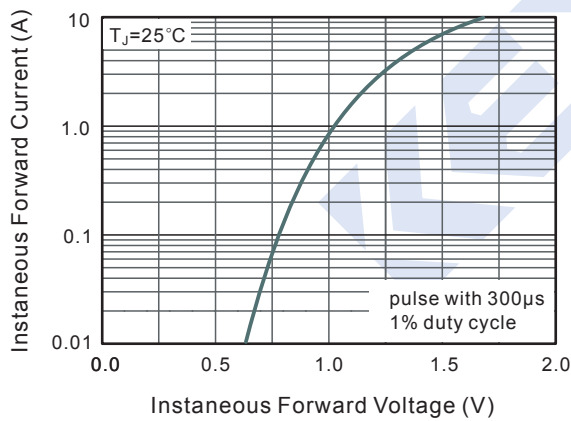


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

