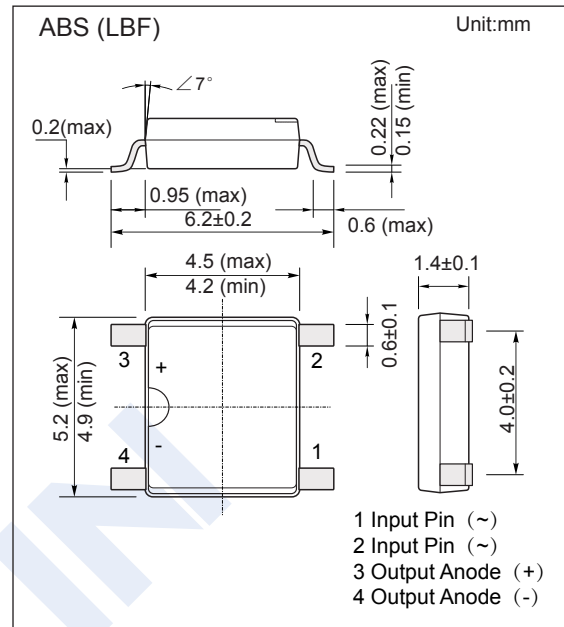


Bridge Rectifier

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 _{RRM}	100	200	400	600	80	1000	V
RMS Voltage	V _{RSM}	70	140	280	420	560	700	
DC Blocking Voltage	V _{DC}	100	200	400	600	80	1000	
Forward Voltage @ I _F =0.4A	V _F	1						
@ I _F =0.8A		1.1						
Average Rectified Output Current @ Ta=40°C	I _O	1						A
Peak Forward Surge Current @ 8.3ms	I _{FSM}	35						
Maximum DC Reverse Current	I _R	5						μA
		50						
		100						
Typical Junction Capacitance *1	C _j	13						pF
Thermal Resistance.Junction- to-Ambient	R _{θJA}	85						°C/W
Thermal Resistance.Junction- to-Lead	R _{θJL}	30						
Junction Temperature	T _j	150						°C
Storage Temperature	T _{stg}	-55 to 150						

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

■ Marking

NO.	AB1S	AB2S	AB4S	AB6S	AB8S	AB10S
Marking	AB1S	AB2S	AB4S	AB6S	AB8S	AB10S

Bridge Rectifier

ABS1 ~ ABS10 (KBS1 ~ KBS10)

■ Typical Characteristics

Fig.1 Average Rectified Output Current Derating Curve

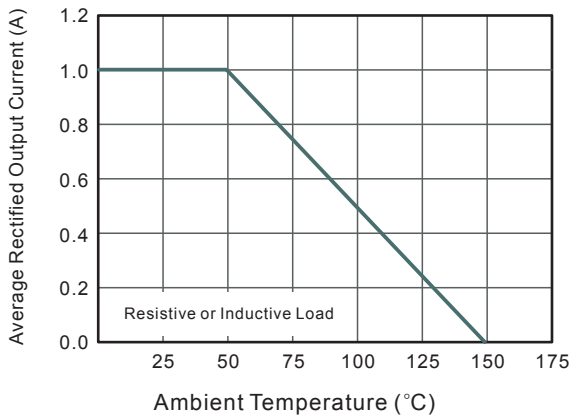


Fig.2 Typical Reverse Characteristics

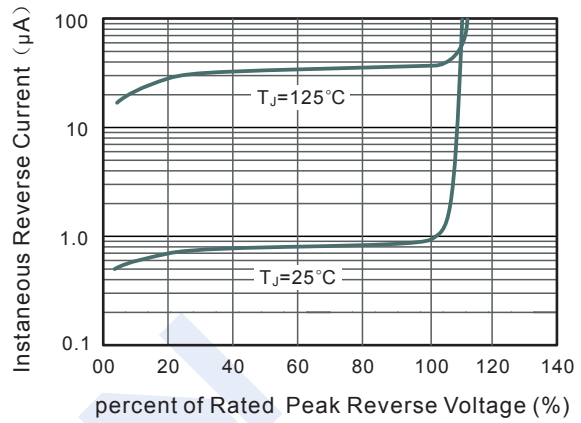


Fig.3 Typical Instantaneous Forward Characteristics

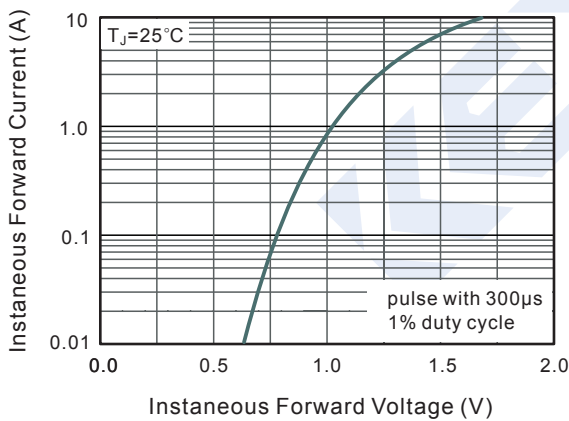


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

