

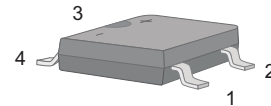
Bridge Rectifier

ABS201 ~ ABS210(KBS201 ~ KBS210)

■ Features

- Glass Passivated Chip Junction
- Reverse Voltage - 100 to 1000 V
- Forward Current - 2A
- High Surge Current Capability
- Designed for Surface Mount Application

ABS/LBF Package



PIN DESCRIPTION

PIN	DESCRIPTION
1	Input Pin (-)
2	Input Pin (-)
3	Output Anode (+)
4	Output Cathode (-)

■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	ABS 201	ABS 202	ABS 204	ABS 206	ABS 208	ABS 210	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
RMS Voltage	V _{RSM}	70	140	280	420	560	700	
DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	
Forward Voltage @ I _F =2A	V _F	1						A
Average Rectified Output Current @ T _c =115℃	I _o	2						
Peak Forward Surge Current @ 8.3ms	I _{FSM}	50						
Maximum DC Reverse Current Ta=25℃ Ta=125℃	I _R	5						μA
		100						
Typical Junction Capacitance *1	C _j	25						pF
Thermal Resistance.Junction- to-Ambient *2	R _{θJA}	60						℃/W
Thermal Resistance.Junction- to-Lead *2	R _{θJL}	16						
Junction Temperature	T _j	150						℃
Storage Temperature	T _{stg}	-55 to 150						

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

* 2. Mounted on glass epoxy PC board with 4×1.5" ×1.5" (3.81×3.81 cm) copper pad.

■ Marking

NO.	ABS201	ABS202	ABS204	ABS206	ABS208	ABS210
Marking	ABS201	ABS202	ABS204	ABS206	ABS208	ABS210

Bridge Rectifier

ABS201 ~ ABS210(KBS201 ~ KBS210)

■ Typical Characteristics

Fig.1 Average Rectified Output Current Derating Curve

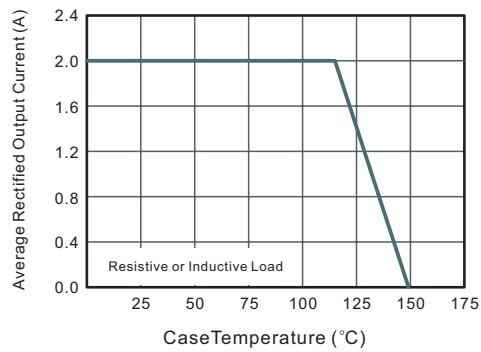


Fig.2 Typical Reverse Characteristics

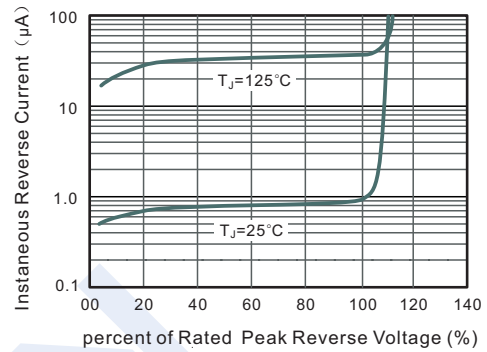


Fig.3 Typical Instantaneous Forward Characteristics

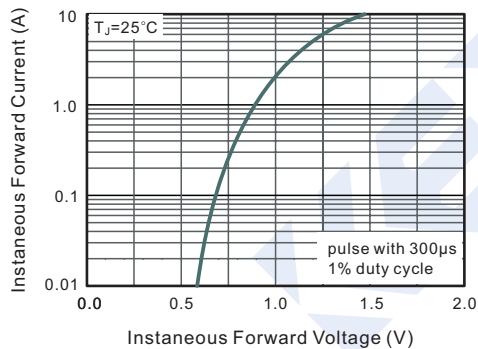


Fig.4 Typical Junction Capacitance

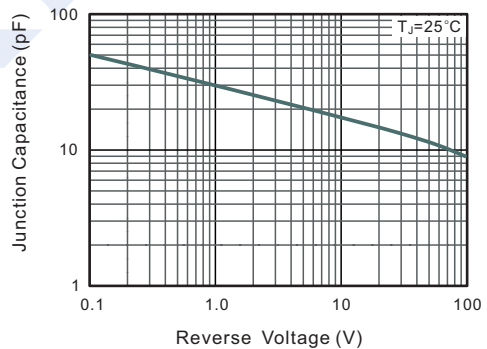
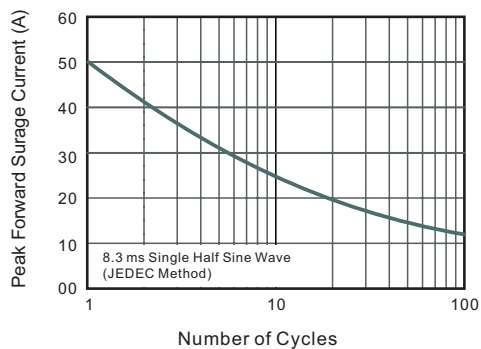


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current



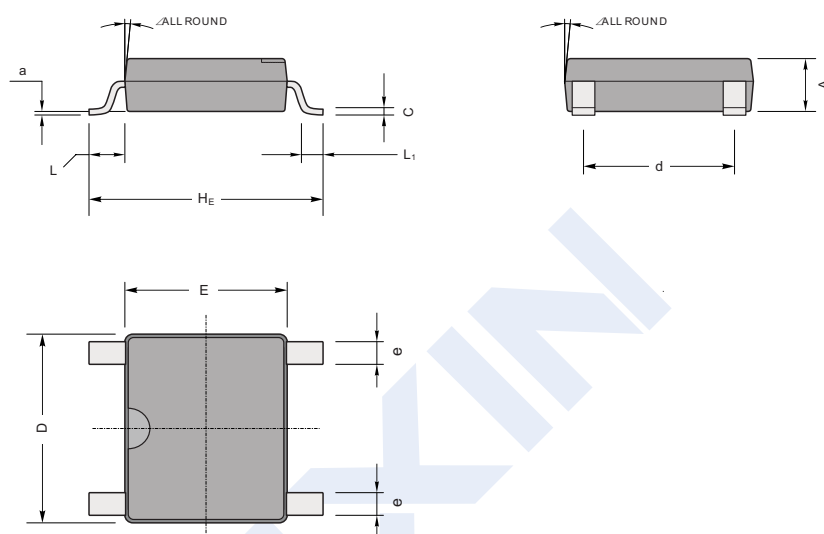
Bridge Rectifier

ABS201 ~ ABS210(KBS201 ~ KBS210)

■ Package Outline Dimensions

Plastic surface mounted package; 4 leads

ABS/LBF



ABS/LBF mechanical data

UNIT		A	C	D	E	H _E	d	e	L	L ₁	a	∠
mm	max	1.5	0.22	5.2	4.5	6.4	4.2	0.7	0.95	0.6	0.2	7°
	min	1.3	0.15	4.9	4.2	6.0	3.8	0.5				
mil	max	59	8.7	205	177	252	165	28	37	24	4	
	min	51	5.9	193	166	236	150	20				

■ The Recommended Mounting Pad Size

