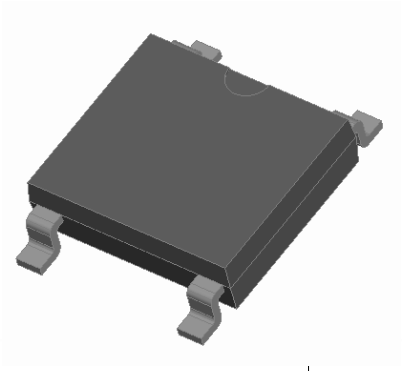
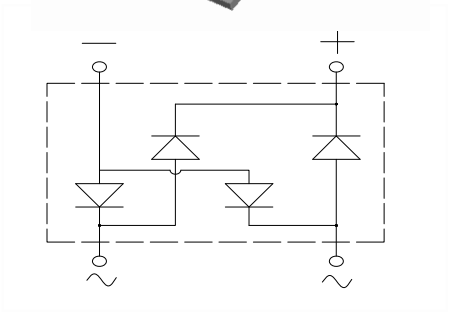




- UL recognition, file #E313149
- Ideal for automated placement
- High surge current capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C
- Schottky chip

General purpose use in high frequency AC/DC bridge full wave rectification for SMPS, lighting ballast, adapter, battery charger, home appliances, office equipment, and telecommunication applications.

- : ABS
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

■ (Ta=25 Unless otherwise specified

Device marking code			ABSK32S	ABSK34S	ABSK36S	ABSK38S	ABSK310S
Repetitive peak reverse voltage	V_{RRM}	V	20	40	60	80	100
Average rectified output current @60Hz sine wave, R-load, TA (FIG.1)	I_O	A	3.0				
Surge(non-repetitive)forward current @60Hz half sine wave, 1 cycle, T_j=25	I_{FSM}	A	70				
Current squared time @1ms≤t≤8.3ms Tj=25 Rating of per diode	I^2t	A^2s	20				
Storage temperature	T_{stg}		-55 ~+150				
Junction temperature	T_j		-55 ~+125		-55 ~+150		

■ Ta=25 Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	VF	V	IFM=1.5A	0.50		0.70	0.85
Maximum DC reverse current at rated DC blocking voltage per diode	IRRM	uA	Ta=25	500			100
			Ta=100	10000			5000

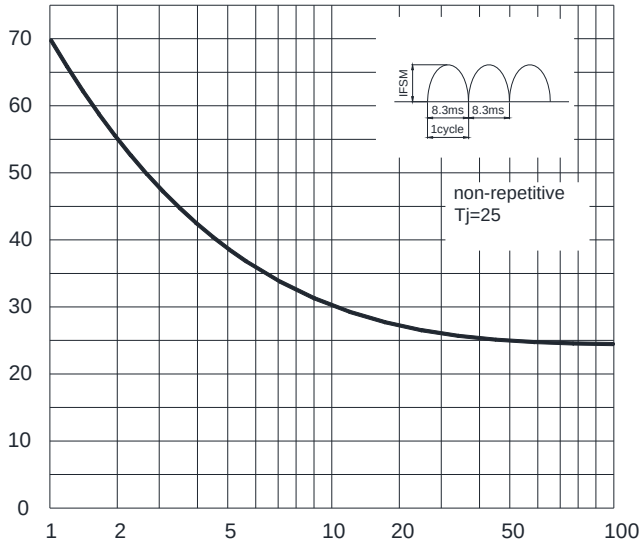
■ T_a=25 Unless otherwise specified

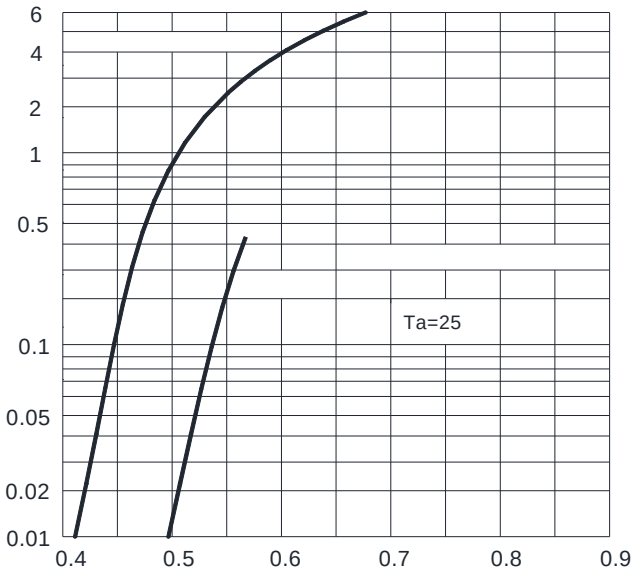
Thermal Resistance	Between junction and ambient, On alumina substrate	RθJ-A	/W	62.5			
	Between junction and lead	RθJ-L		25.0			

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ABSK32S-ABSK310S	F1	Approximate 0.095	4000	8000	64000	13” reel
ABSK32S-ABSK310S	F5	Approximate 0.095	5000	10000	80000	13” reel

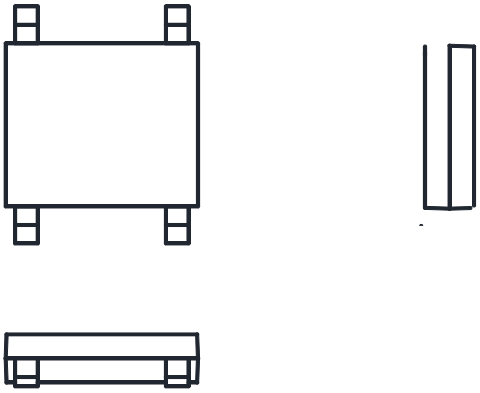
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ABS



Dimensions in millimeters

Dim	Min	Max
A	4.30	4.50
B	6.00	6.40
C	3.90	4.10
D	4.90	5.10
E	1.25	1.45
F	1.60 Max	
G	0.60	0.70
H	0.15	0.25
I	0.30	0.80
J	0.02	0.15

■

P1	5.72
P2	4.00
Q1	1.00
Q2	0.90

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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