

ABS22A THRU ABS210A

Bridge Rectifiers

Features

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

Typical Applications

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

Mechanical Data

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

5 Unless otherwise specified

	SYMBOL	UNIT	ABS22A	ABS24A	ABS26A	ABS28A	ABS210A
			ABS22A	ABS24A	ABS26A	ABS28A	ABS210A
oltage	VRRM	V	200	400	600	800	1000
	VRMS	V	140	280	420	560	700
	VDC	V	200	400	600	800	1000
	IO	A	2.0				
	IFSM	A	60				
			120				
diode	I ² t	A ² s	14.9				
	Tstg		-55 ~ +150				
	Tj		-55 ~ +150				

s Ta=25 Unless otherwise specified



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■ Thermal Characteristics $T_a=25$ Unless otherwise specified

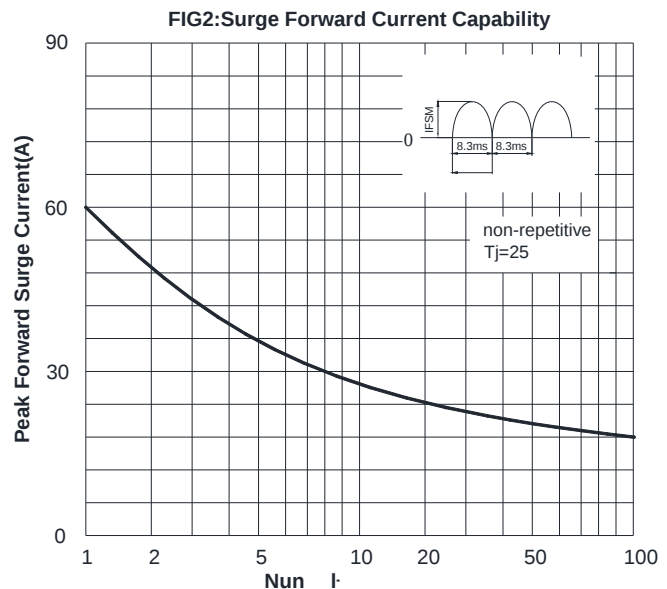
PARAMETER		SYMBOL	UNIT	ABS22A	ABS24A	ABS26A	ABS28A	ABS210A
Thermal Resistance	Between junction and ambient, On alumina substrate	$R_{\theta J-A}$	/W	62.5				
	Between junction and lead	$R_{\theta J-L}$		25.0				
	Between junction and case	$R_{\theta J-C}$		8.0				

Note: Device mounted on P.C.B with 35mm*25mm*1.7mm

■ Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
ABS22A - ABS210A	F1	Approximate 0.095	4000	/	64000	13" reel
ABS22A - ABS210A	F5	Approximate 0.095	5000	/	80000	13" reel

■ Characteristics (Typical)





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■ Outline Dimensions

ABS

ABS		
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

■ Suggested pad layout

Dim	Min
P1	5.72
P2	4.00
Q1	1.00
Q2	0.90



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