



ABS22~ABS210

GLASS PASSIVATED BRIDGE RECTIFIERS

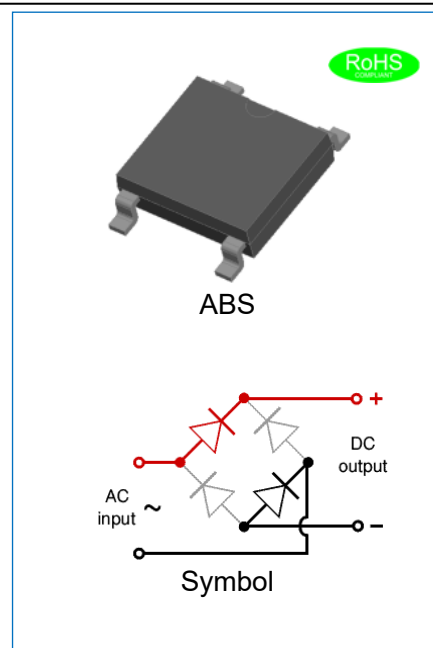
Rev.5.1

DESCRIPTION

- ✧ Plastic package has underwriters laboratory flammability classification 94V-0
- ✧ Glass passivated chip junction
- ✧ Lead free in comply with EU RoHS 2011/65/EU directives
- ✧ Ideal for printed circuit board
- ✧ High surge forward current capability
- ✧ General purpose use in AC/DC bridge full wave rectification for SMPS, lighting ballast, adapter, etc.

MECHANICAL DATA

- ✧ Case: ABS molded plastic
- ✧ Terminals: Solder plated, solderable per J-STD-002
- ✧ Polarity: Polarity symbol marking on body.
- ✧ Weight: 0.094gram



ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

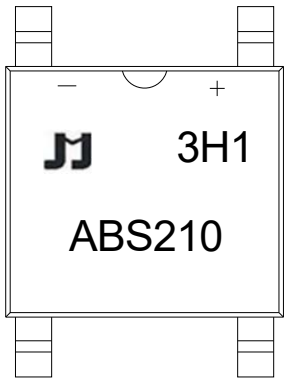
(Rating at 25°C ambient temperature unless otherwise specified.)

Parameter		Symbol	ABS22	ABS24	ABS26	ABS28	ABS210	Unit
Maximum repetitive peak reverse voltage		V_{RRM}	200	400	600	800	1000	V
Maximum RMS voltage		V_{RMS}	140	280	420	560	700	V
Maximum DC blocking voltage		V_{DC}	200	400	600	800	1000	V
Average rectified output current at $T_A=40^\circ\text{C}$		I_O	2.0					A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I_{FSM}	60					A
I^2t rating for fusing ($t_p=8.3\text{ms}$)		I^2t	14.9					A^2s
Maximum forward voltage per diode @ $I_F=2.0\text{A}$		V_F	1.1					V
Maximum DC reverse current at rated DC blocking voltage	$T_j=25^\circ\text{C}$	I_R	5.0					μA
	$T_j=125^\circ\text{C}$		100					μA
Operating junction and storage temperature range		T_j, T_{stg}	-55 to +150					$^\circ\text{C}$

THERMAL RESISTANCES

Symbol	Parameter	ABS22	ABS24	ABS26	ABS28	ABS210	Unit
R _{th(j-a)}	Junction to ambient	60					°C/W
R _{th(j-c)}	Junction to case	16					°C/W

MARKING



ABS	Package: ABS
2	I _o : 2A
10	V _{RRM} :1000V

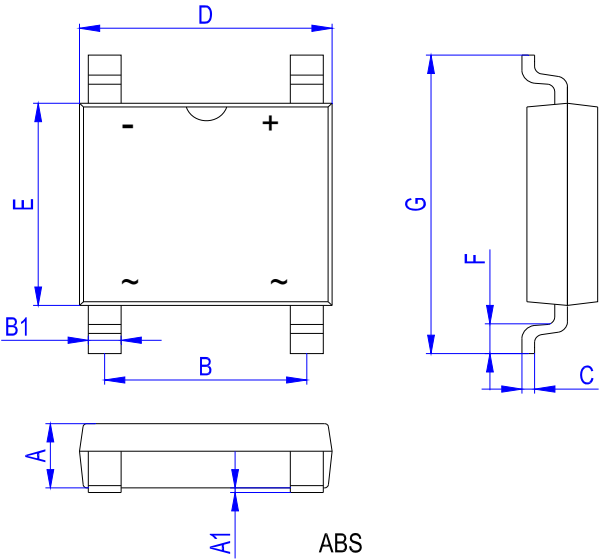
xH1: Month, 1、2、3 ~ 9、A、B、C

3x1:

2018	2019	2020	2021	2022	2023	2024
H	I	J	K	L	M	N
2025	2026	2027	2028	2029	2030	...
O	P	Q	R	S	T	...

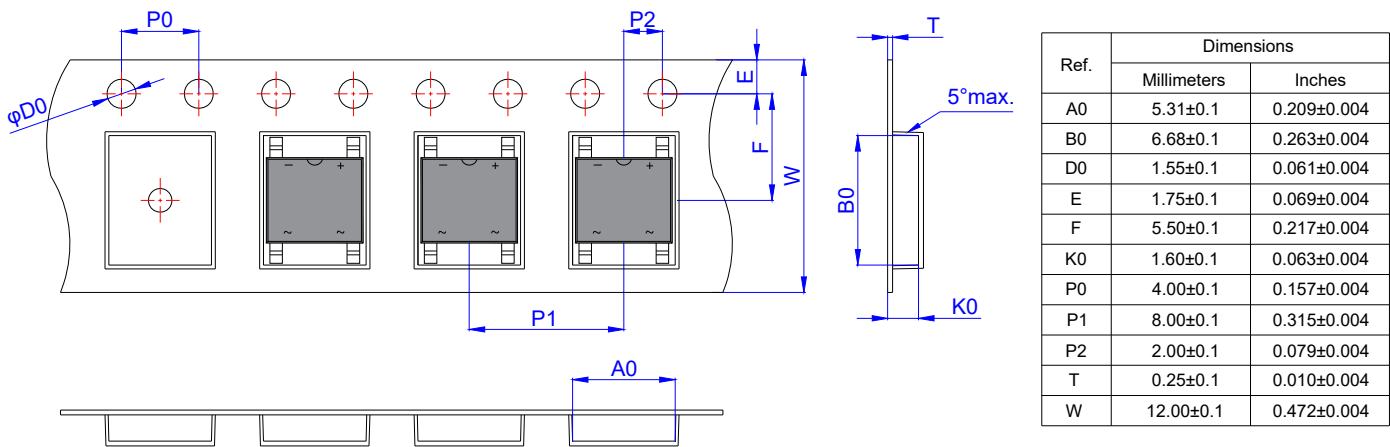
3Hx: Batch number

PACKAGE MECHANICAL DATA



Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.30	1.50	0.051	0.059
A1		0.20		0.008
B	3.90	4.10	0.154	0.161
B1	0.50	0.80	0.020	0.031
C	0.15	0.35	0.006	0.014
D	4.90	5.10	0.193	0.201
E	4.30	4.50	0.169	0.177
F	0.30	0.80	0.012	0.031
G	6.20	6.80	0.244	0.268

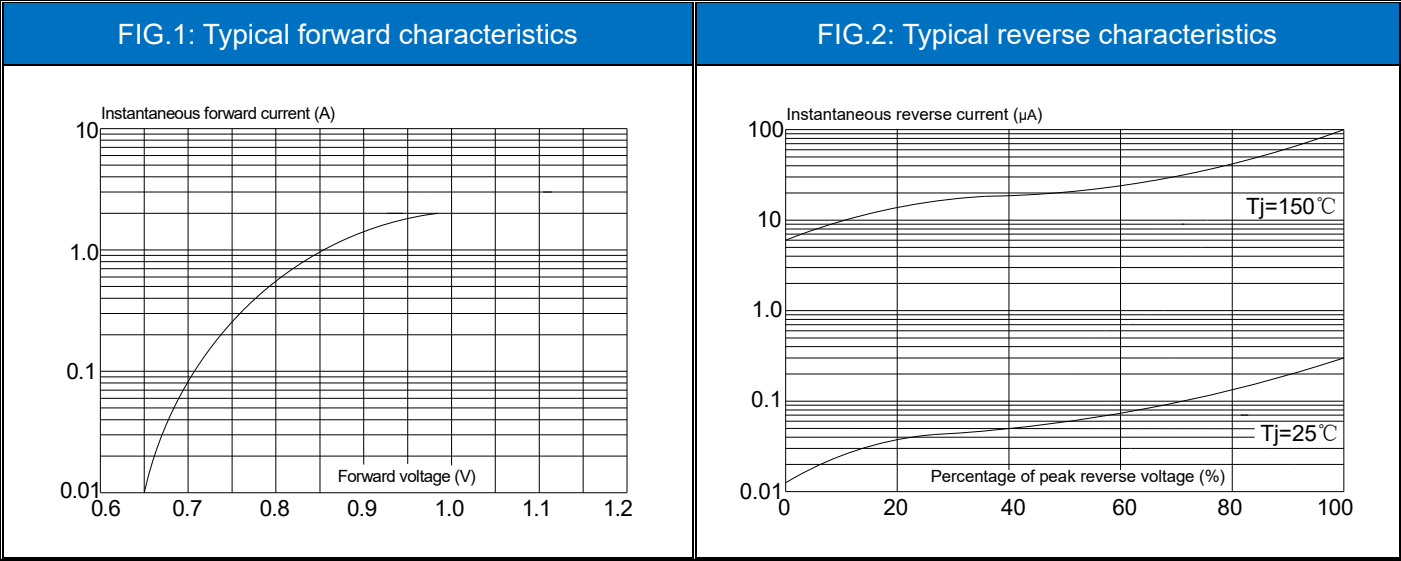
TAPE SPECIFICATION-ABS

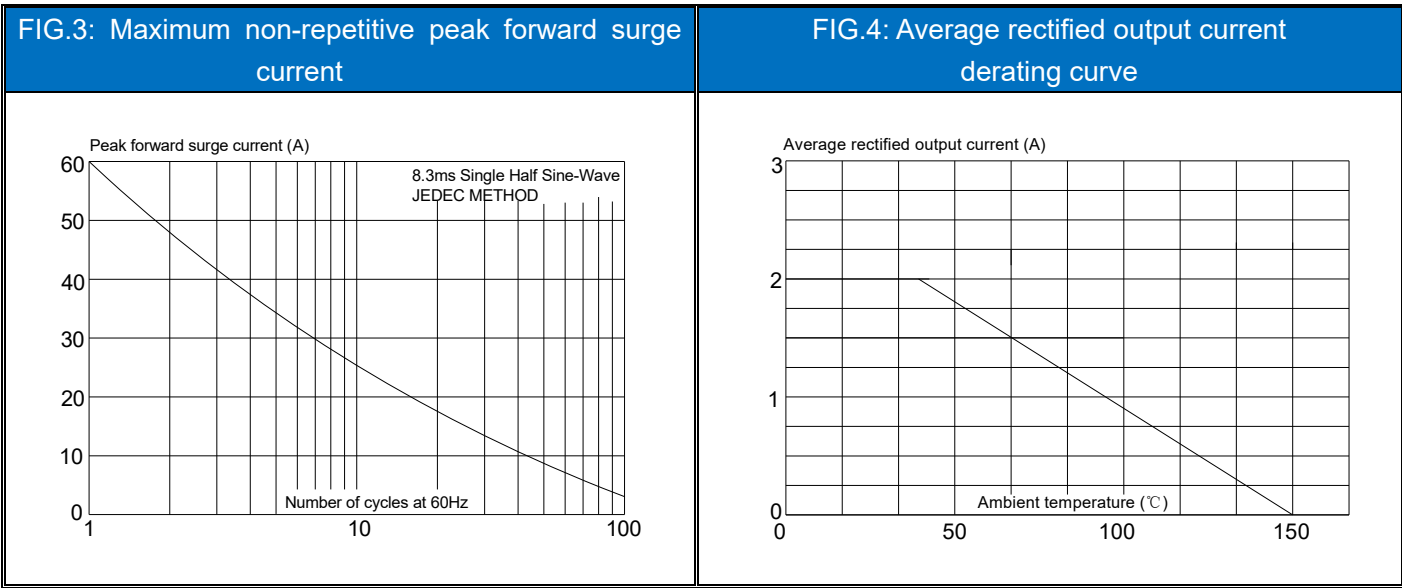


PACKAGE INFORMATION-ABS

PART No.	REEL (PCS)	PER CARTON (PCS)	DESCRIPTION
ABS22~ABS210	3,000	48,000	11 inch reel pack

CHARACTERITICS CURVE





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