

classification 94V-0

Glass passivated chip junction

Lead free in comply with EU RoHS 2011/65/EU directives

Ideal for automatic placement

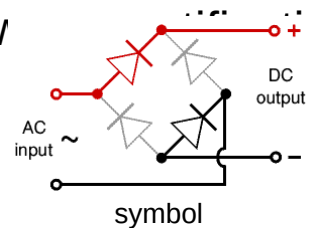
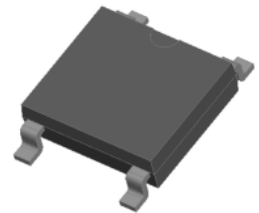
High surge forward current capability

Lead tin plated copper

Reliable low cost construction utilizing molded plastic technique

General purpose use in AC/DC bridge full wave rectifier for SMD lighting ballast, adapter, etc.

RoHS



MECHANICAL DATA

Case: ABS molded plastic

Terminals: Solder plated, solderable per J-STD-002

Polarity: Symbol marking on body

Weight: 0.098gram

ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

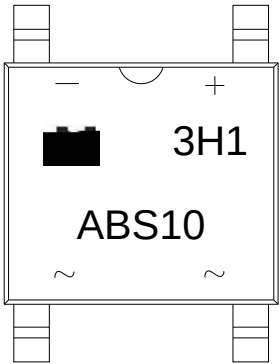
(Rating at 25 °C ambient temperature unless otherwise specified.)

Parameter		Symbol	ABS2	ABS4	ABS6	ABS8	ABS10	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 _L =100		I _O	1.0					A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I _{FSM}	35					A
Current squared time @1ms t 8.3ms T _j =25 ,Rating of per diode		I ² t	5					A s
Maximum forward voltage per diode @I _F =1.0A		V _F	1.1					V
Maximum DC reverse current at rated DC blocking voltage per diode	T _A =25	I _R	5					μA
	T _A =150		500					μA
Typical junction capacitance V _R =4.0V, f=1MHz		C _J	9					pF
Operating junction and storage temperature range		T _J ,T _{STG}	-55 to +150					

THERMAL RESISTANCES

Symbol	Parameter	ABS2	ABS4	ABS6	ABS8	ABS10	Unit
R _{th(j-c)}	Junction to case	23					/W

MARKING



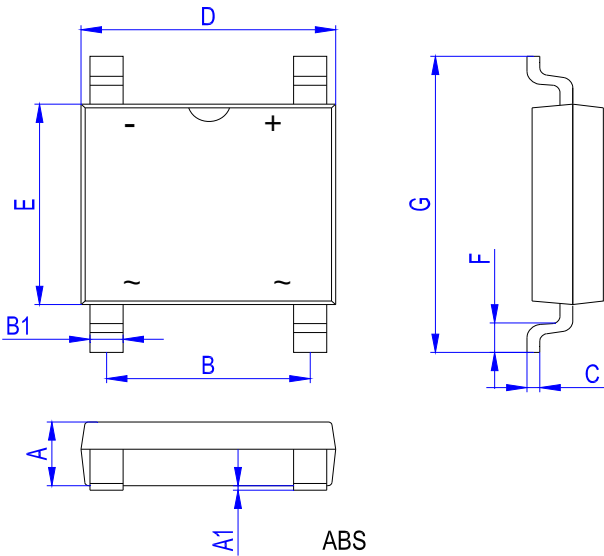
ABS	Package: ABS
10	V _{RRM} :1000V

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

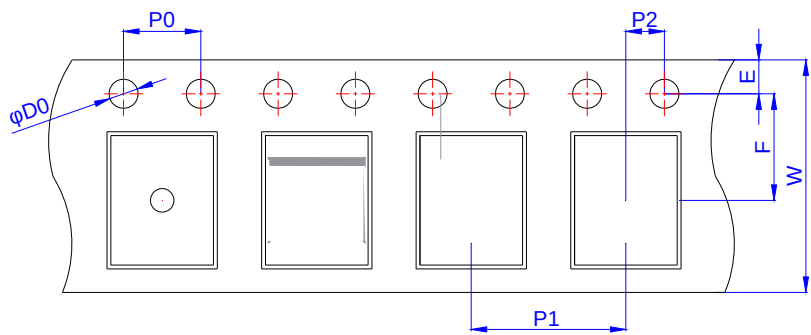


FIG.3

