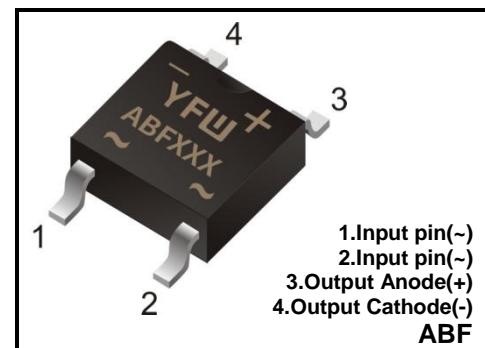


2.0A SURFACE MOUNT GLASS PASSIVATED BRIDGE
RECTIFIER Reverse Voltage - 100 to 1000 V
Forward Current – 2.0A
FEATURES

- ◆ Fast reverse recovery time
- ◆ Designed for Surface Mount Application
- ◆ Glass Passivated Chip Junction
- ◆ Low power loss, high efficiency
- ◆ Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

- ◆ Case: ABFTerminals: Solderable per MIL-STD-750, Method 2026
- ◆ Approx. Weight: 82mg / 0.0029oz



Type number	Marking code
ABF201	ABF201
ABF202	ABF202
ABF204	ABF204
ABF206	ABF206
ABF208	ABF208
ABF210	ABF210

Maximum Ratings and Electrical characteristics

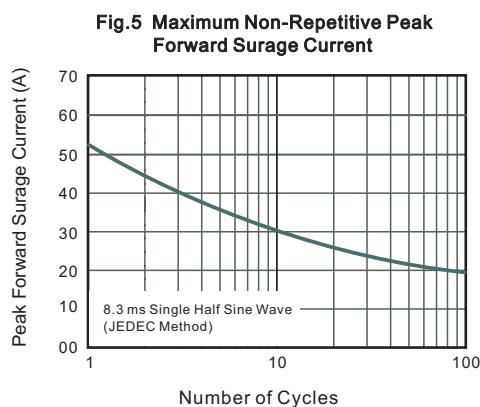
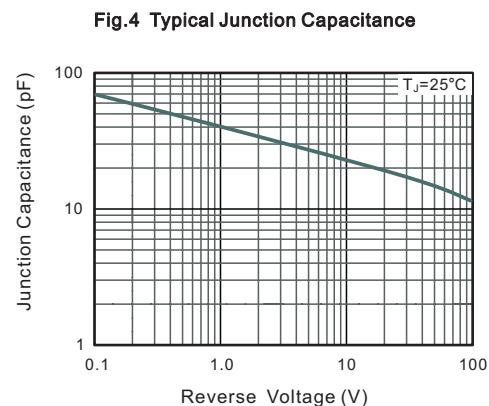
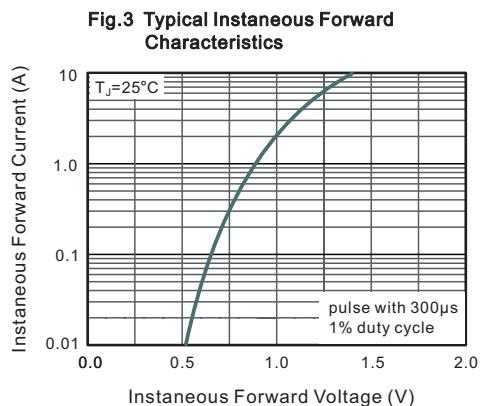
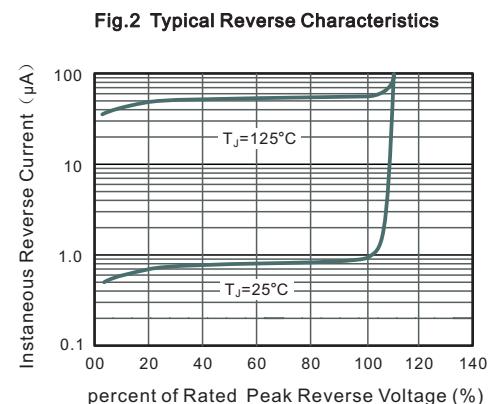
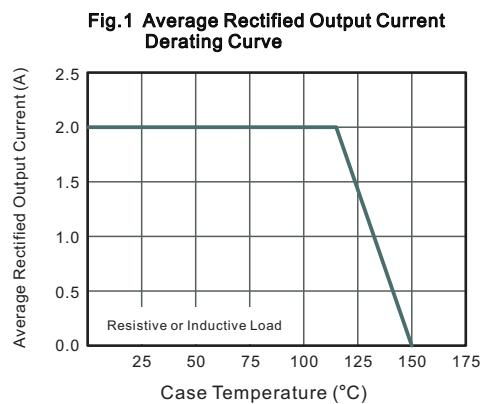
Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	ABF201	ABF202	ABF204	ABF206	ABF208	ABF210	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at $T_c = 115^\circ C$	I_o	2.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rated Load(JEDEC method)	I_{FSM}	60						A
Forward Voltage per element at 2.0A	V_F	0.95						V
Maximum DC Reverse Current @ $T_A=25^\circ C$ at Rated DC Blocking Voltage @ $T_A=125^\circ C$	I_R	5.0 100						μA
Typical Junction Capacitance ^(Note1)	C_j	30						pF
Typical Thermal Resistance ^(Note3)	$R_{\theta JA}$ $R_{\theta JC}$	60 16						°C/W
Operating and Storage Temperature Range	T_j, T_{stg}	-55 ~ +150						°C

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

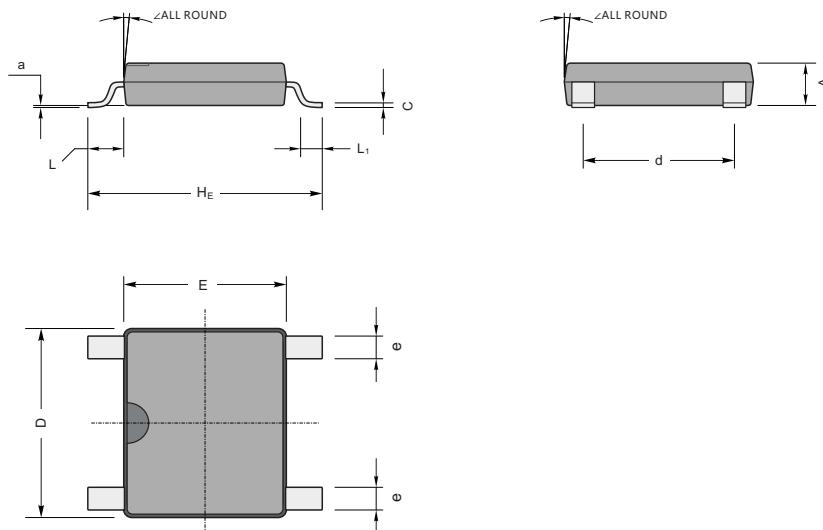
(2) Mounted on glass epoxy PC board with 4x1.5" x 1.5" (3.81x3.81 cm) copper pad.



Package Outline

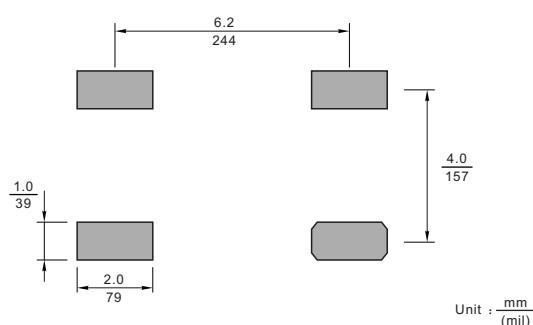
ABF

Plastic surface mounted package; 4leads



UNIT		A	C	D	E	H _E	d	e	L	L ₁	a	∠	
mm	max	1.2	0.22	5.2	4.5	6.4	4.2	0.7	0.95	0.6	0.2	7°	
	min	1.0	0.15	4.9	4.2	6.0	3.8	0.5					
mil	max	47	8.7	205	177	252	165	28	37	24	8		
	min	39	5.9	193	166	236	150	20					

The recommended mounting pad size



Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
ABF	Tape/Reel,13"reel	5000	EIA-481-1