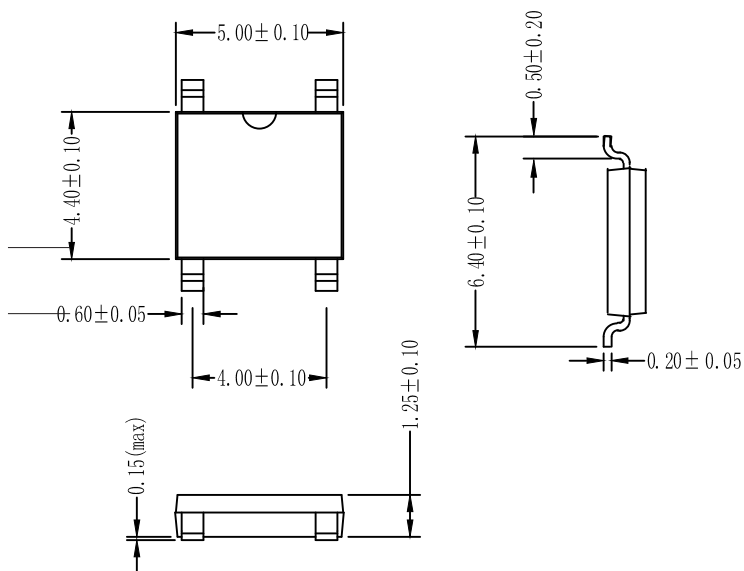


FEATURES:

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Designed for surface mount application
- Plastic material-UL flammability 94V-0

ABS



Dimensions in millimeters

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	Symbol	ABS2005	ABS201	ABS202	ABS204	ABS206	ABS208	ABS210	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS bridge input voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified output current at $T_A=40^\circ\text{C}$	$I_{F(AV)}$	2.0							A
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	60							A
Rating for fusing ($t < 8.3\text{ms}$)	I^2t	15							A^2_{sec}
Typical thermal resistance per element (1)	$R_{\theta JA}$	25							$^\circ\text{C}/\text{W}$
Operating junction and storage temperature range	T_J, T_{STG}	-55 to + 150							$^\circ\text{C}$
Maximum instantaneous forward voltage drop per leg at 2A	V_F	1.1							v
Maximum DC reverse current at rated DC blocking voltage per element	$T_A = 25^\circ\text{C}$	10							μA
	$T_A = 125^\circ\text{C}$	500							μA

Note: 1.Reverse Recovery Test Conditions:IF=0.5A,IR=1.0A,IRR=0.25A.

Characteristic Curves (T =25 °C unless otherwise noted)

