

RoHS Compliant Product

**FEATURES**

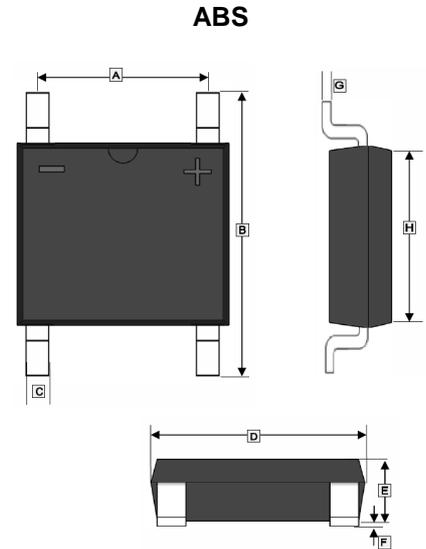
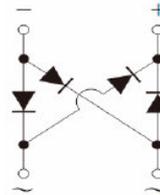
- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Designed for Surface Mount Application
- Lead (Pb)-free and Halogen-free
- Plastic Material-UL Flammability 94V-0

**MECHANICAL DATA**

- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Case
- Mounting Position: Any
- Marking: Type Number

**ORDER INFORMATION**

Part Number	Type
ABS22~ABS210	Lead (Pb)-free and Halogen-free



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	3.8	4.2	E	1.2	1.5
B	6	6.8	F	-	0.2
C	0.5	0.7	G	0.15	0.25
D	4.8	5.3	H	4.2	4.6

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

(Rating at 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Part Number					Unit
		ABS22	ABS24	ABS26	ABS28	ABS210	
Peak Repetitive Reverse Voltage	$V_{RRM}$						V
Working Peak Reverse Voltage	$V_{RWM}$	200	400	600	800	1000	
DC Blocking Voltage	$V_{DC}$						
RMS Reverse Voltage	$V_{RMS}$	140	280	420	560	700	V
Average Rectified Output Current	$I_F$	2					A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	60					A
Rating for Fusing ( $t < 8.3ms$ )	$I^2t$	14.9					A <sup>2</sup> s
Forward Voltage Per Element	$I_F=1A$	0.95					V
	$I_F=2A$	1					
Peak Reverse Current @DC Blocking Voltage	$T_A=25^\circ C$	5					$\mu A$
	$T_A=125^\circ C$	200					
Typical Thermal Resistance Per Leg <sup>1</sup>	$R_{\theta JA}$	62.5					$^\circ C/W$
	$R_{\theta JL}$	25					
Operating and Storage Temperature Range	$T_J, T_{STG}$	-55~150					$^\circ C$

Note:

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

**RATINGS AND CHARACTERISTIC CURVES**

FIG.1 FORWARD CURRENT DERATING CURVE

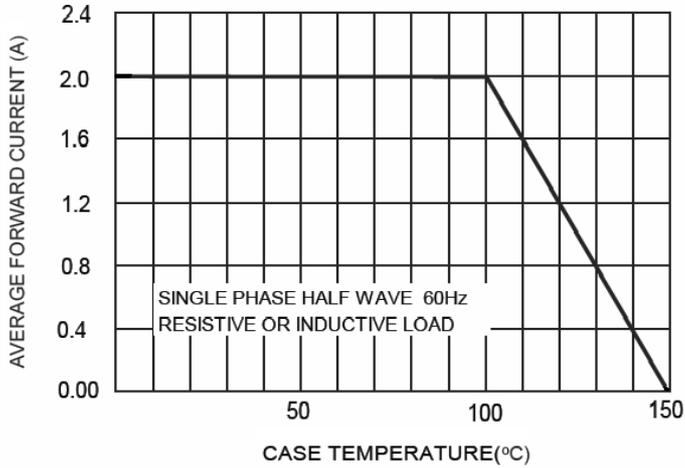


FIG.2 TYPICAL FORWARD CHARACTERISTICS

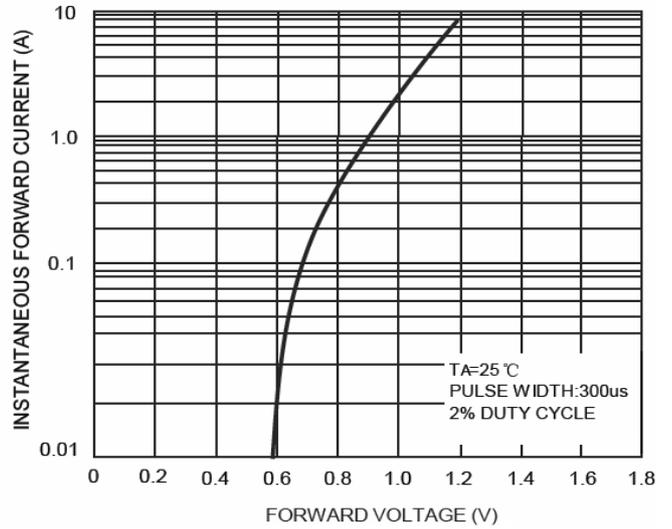


FIG.3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

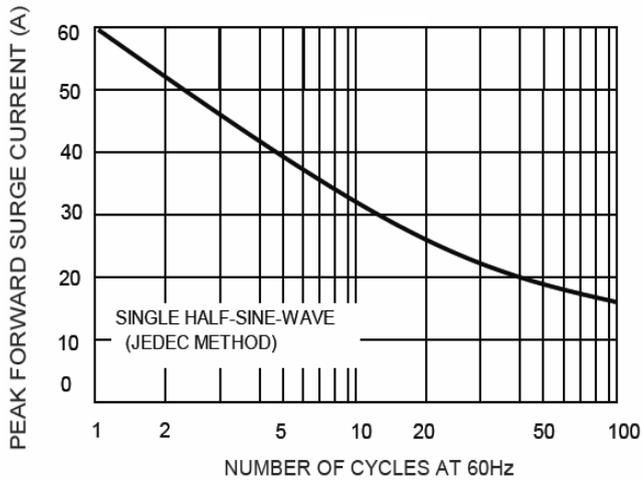


FIG. 4 TYPICAL REVERSE CHARACTERISTICS

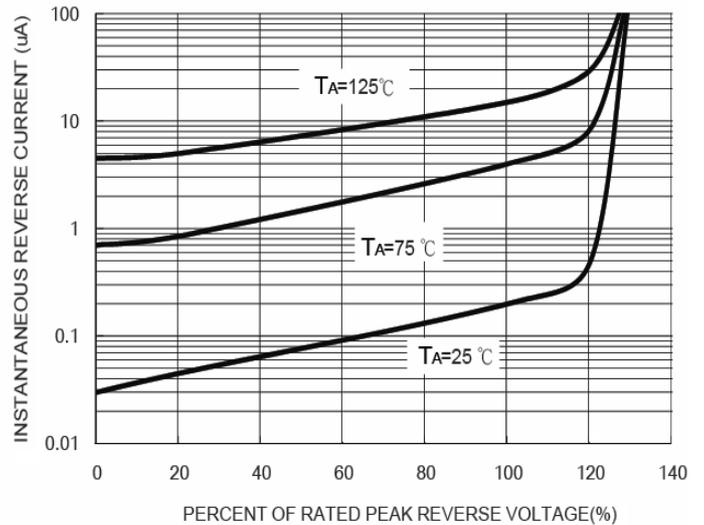


FIG.5 MOUNTING PAD LAYOUT

