

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

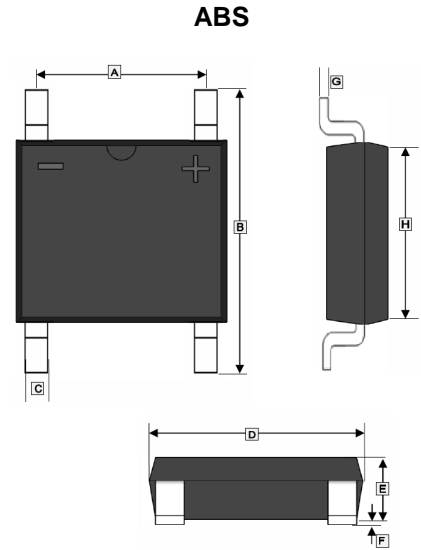
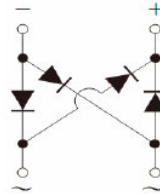
- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Designed for Surface Mount Application
- Plastic Material-UL Flammability 94V-0

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
FABS22-C~FABS210-C	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
		FABS 22-C	FABS 24-C	FABS 26-C	FABS 28-C	FABS 210-C	
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 ¹	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 ² s
Forward Voltage Per Element @ $I_F=2A$	V_F	1.3					V
Maximum Forward Power Dissipation	P_D	5.2					W
Maximum Reverse Recovery Time ²	T_{rr}	150		250		500	nS
Peak Reverse Current @DC Blocking Voltage	I_R	5					µA
		100					
Typical Junction Capacitance ³	C_J	23					pF
Typical Thermal Resistance	$R_{\theta JA}$	62.5					°C/W
	$R_{\theta JL}$	25					
	$R_{\theta JC}$	20					
Operating & Storage Temperature Range	T_J, T_{STG}	-55~150					°C

Notes:

1. Mounted on glass epoxy PC board with 1.3mm² solder pad.
2. Reverse Recovery Test Conditions: $I_F=0.5A, I_R=1A, I_{RR}=0.25A$.
3. Measured at 1MHz and applied reverse voltage of 4V D.C.

RATINGS AND CHARACTERISTIC CURVES

FIG.1 FORWARD CURRENT DERATING CURVE

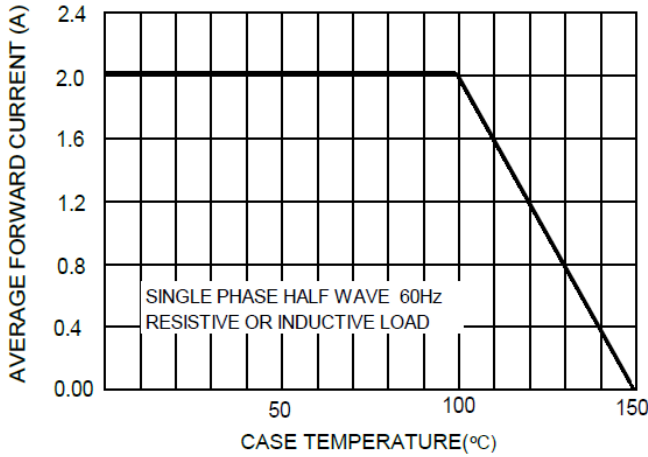


FIG.2 TYPICAL FORWARD CHARACTERISTICS

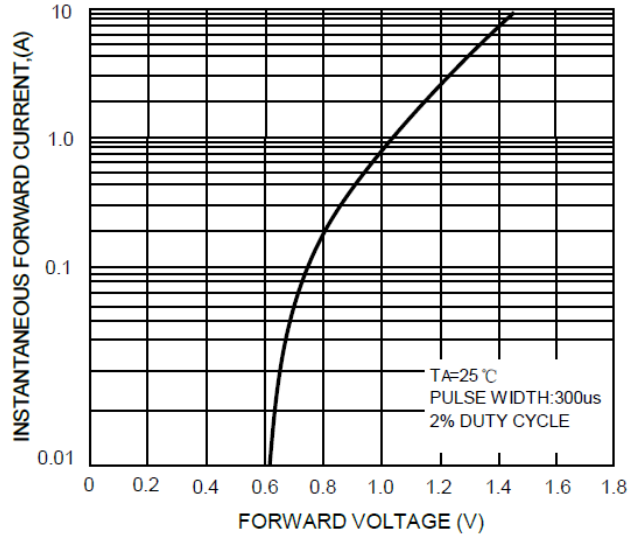


Fig. 3 Maximum Peak Forward Surge Current

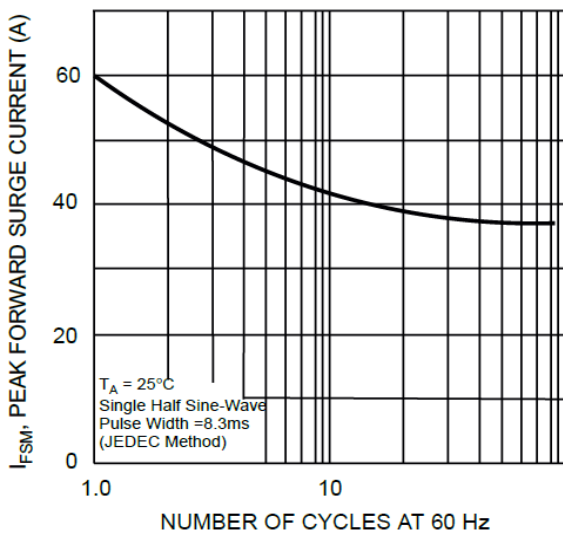


Fig. 4 Typical Reverse Characteristics

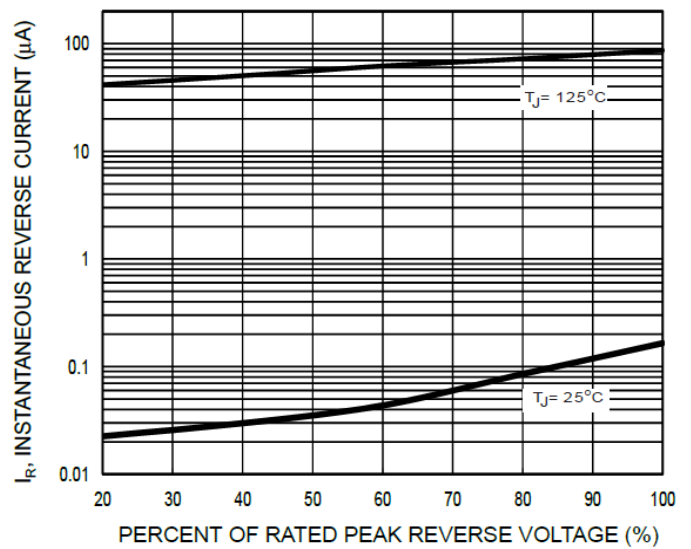


Fig. 5 Typical Junction Capacitance

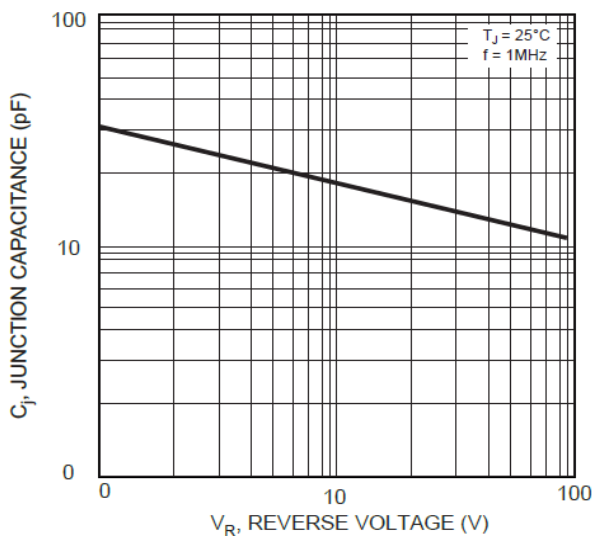


Fig.6 Solder Pad Layout

