

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

FEATURES

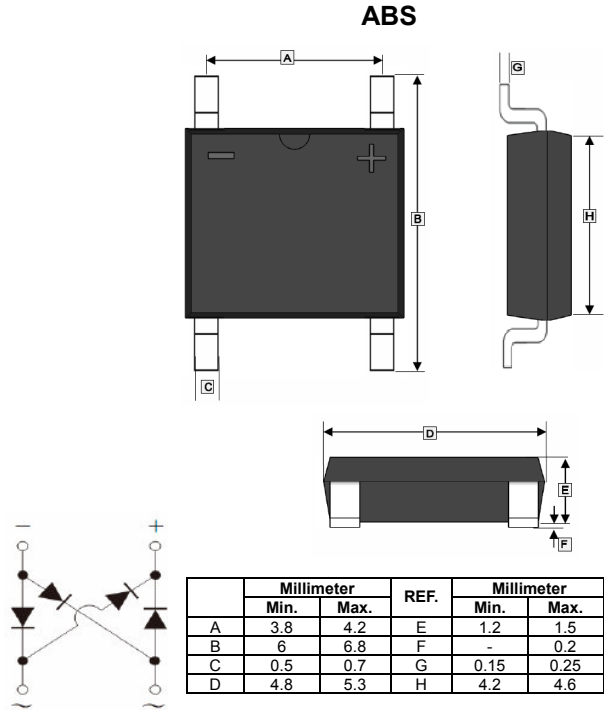
- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Designed for Surface Mount Application
- Plastic Material-UL Flammability 94V-0

MECHANICAL DATA

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

ORDER INFORMATION

Part Number	Type
FABS2-C~FABS10-C	Lead (Pb)-free and Halogen-free



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 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
		FABS2-C	FABS4-C	FABS6-C	FABS8-C	FABS10-C	
Peak Repetitive Reverse Voltage	V_{RRM}						
Working Peak Reverse Voltage	V_{RWM}	200	400	600	800	1000	V
DC Blocking Voltage	V_{DC}						
RMS Reverse Voltage	V_{RMS}	140	280	420	560	700	V
Average Rectified Output Current	$I_{F(AV)}$	1					A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	35					A
Rating for Fusing (t<8.3ms)	I^2t	5.08					A ² s
Forward Voltage Per Element	V_F	1.3					V
Peak Reverse Current @Rated DC Blocking Voltage	I_R	5					μA
		200					
Maximum Reverse Recovery ¹	T_{rr}	150		250		500	nS
Typical Thermal Resistance Per Leg ²	$R_{\theta JA}$	62.5					°C/W
	$R_{\theta JL}$	25					
Operating and Storage Temperature Range	T_J, T_{STG}	-55~150					°C

Note:

1. Reverse Recovery Test Conditions: $I_F=0.5A, I_R=1A, I_{RR}=0.25A$.
2. Mounted on P.C.B. with 0.2x0.2" (5X5mm) copper pad.

RATINGS AND CHARACTERISTIC CURVES

FIG.1 FORWARD CURRENT DERATING CURVE

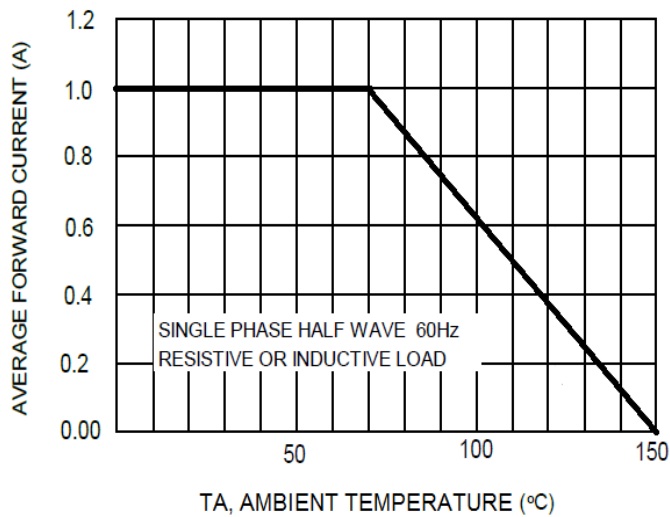


FIG.2 TYPICAL FORWARD CHARACTERISTICS

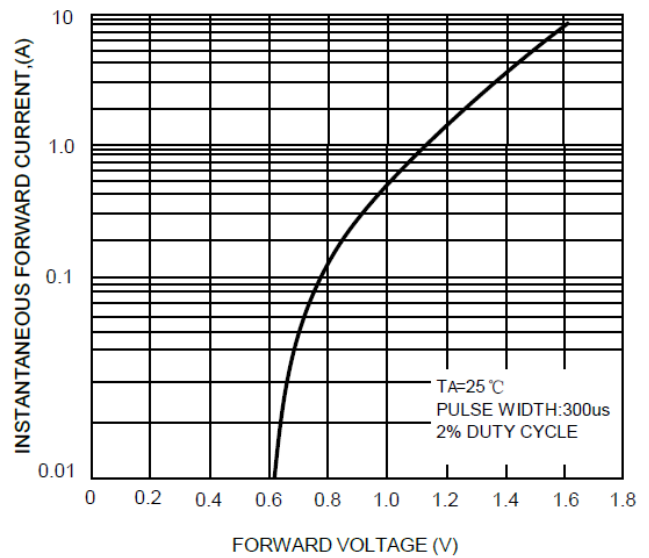


FIG.3 MAXIMUM NON-REPETITIVE

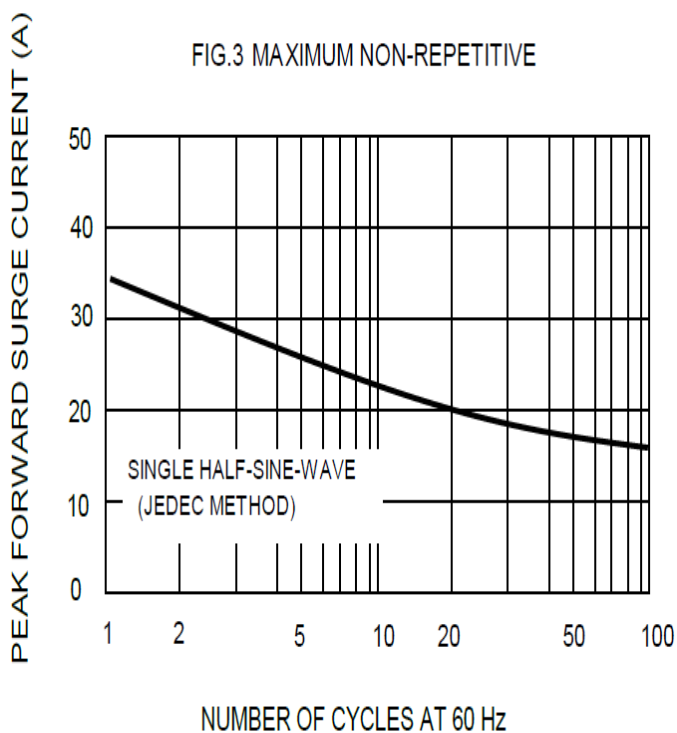


FIG. 4 TYPICAL REVERSE CHARACTERISTICS

