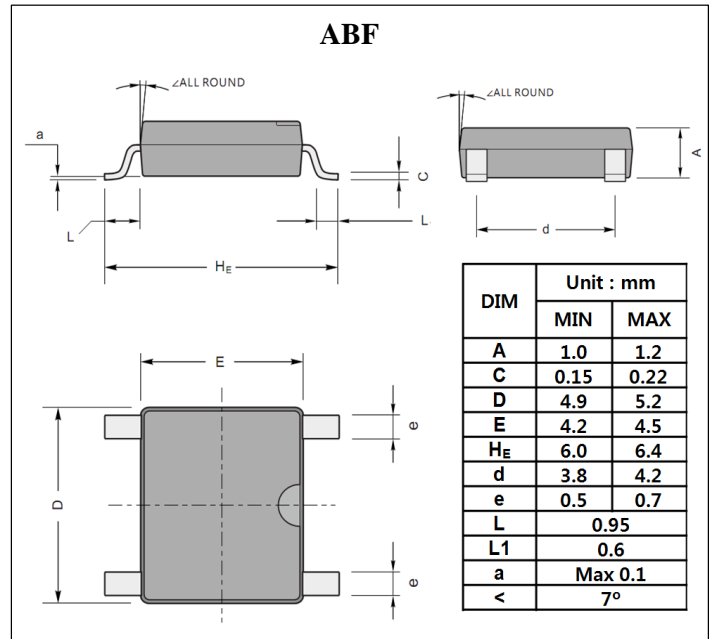
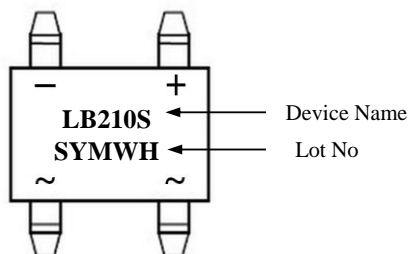


Surface Mount Glass Passivated Single-Phase Bridge Rectifier
Reverse Voltage 1000 Volts, Forward Current 2.0 Amperes
Features

- Glass passivated junction chip
- Ideally suited for automatic assembly
- Save space on printed circuit boards
- Body thickness very thin <1.3mm
- Low forward voltage drop
- In compliance with EU RoHS 2002/95/EC directives
- Plastic material used carries underwriters laboratory classification 94V-0
- High temperature soldering : 260°C /10 seconds at terminals

Mechanical Data

- Case : ABF, Molded plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Polarity : As marked on case
- Marking : Type number
- Weight : 0.09 grams (Approx.)

Marking

Maximum Ratings & Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified

Single phase half wave 60 Hz, resistive or inductive load

For capacitive load, derate current by 20%

Parameter	Symbol	Rated Value	Unit	Remark
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	1000	V	
Maximum RMS Voltage	V _{RMS}	700	V	
Maximum DC Blocking Voltage	V _{DC}	1000	V	
Maximum Average Forward Rectified Current	I _{F(AV)}	2.0	A	
Peak Forward Surge Current 8.3ms Single Half Sine-wave Super imposed on Rated Load (JEDEC Method)	I _{FSM}	60	A	
Instantaneous Forward Voltage at 2.0A	V _F	1.1	V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	10	uA	T _j =25°C
		200		T _j =100°C
Typical Thermal Resistance	R _{th(j-a)}	62.5	°C/W	Note 1
	R _{th(j-l)}	25	°C/W	
Operation Junction Temperature Range	T _J	-55 to +150	°C	
Storage Temperature Range	T _{STG}	-55 to +150	°C	

Note 1. Mounted on glass-epoxy substrate

Ratings and Characteristics Curves ($T_a=25^\circ\text{C}$ unless otherwise noted)

Fig.1 Forward Current Derating Curve

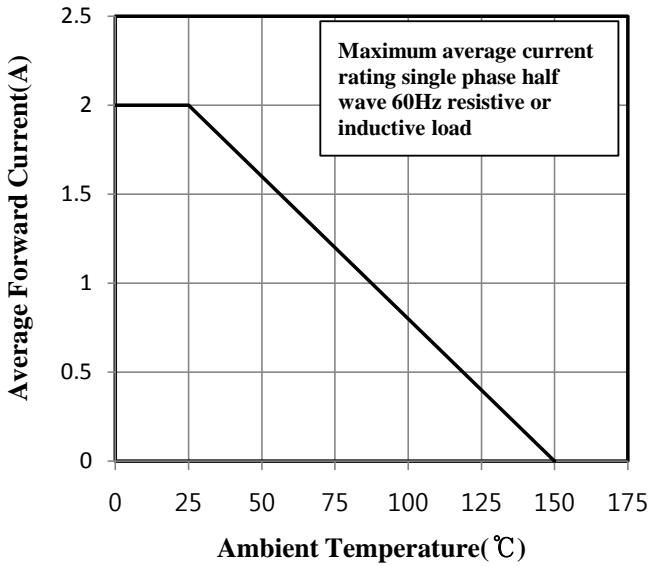


Fig.2 Maximum Non-Repetitive Peak Forward Surge Current

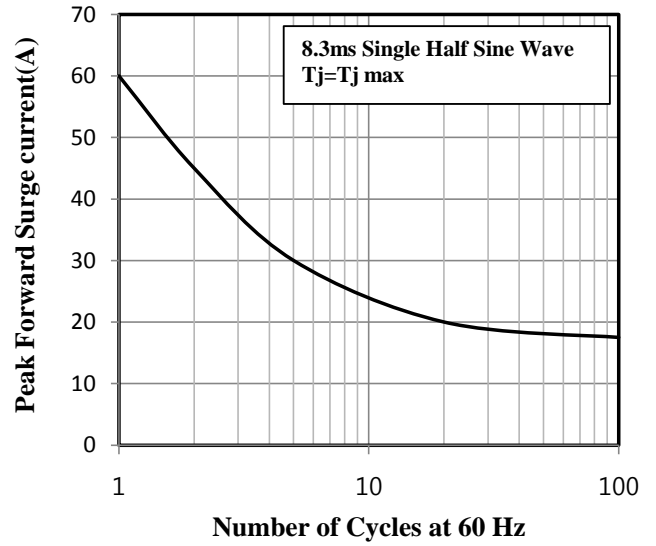


Fig.3 Typical Instantaneous Forward Characteristics

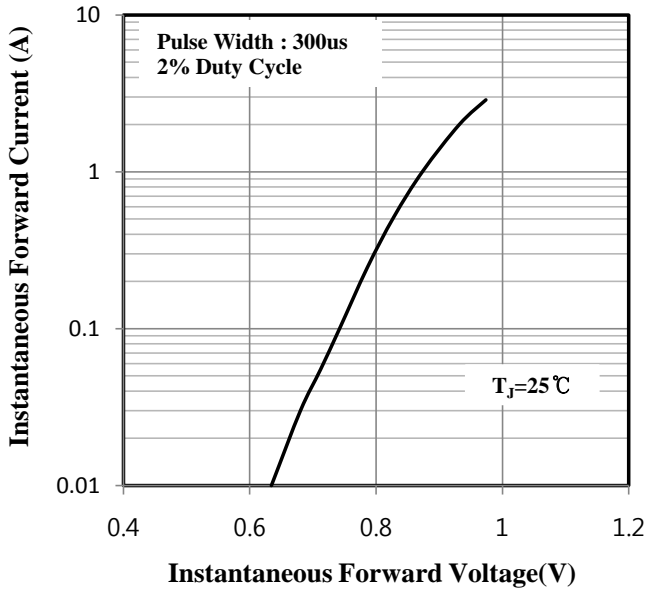


Fig.4 Typical Reverse Characteristics

