

DB101S~DB107S

BRIDGE RECTIFIERS

VOLTAGE	50 to 1000 Volt	CURRENT	1.0 Ampere
----------------	------------------------	----------------	-------------------

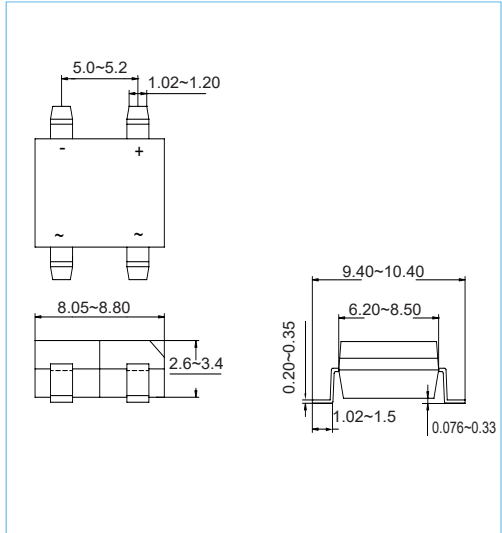
SDB-1 Unit:mm

FEATURES

- Glass Passivated Diode Construction
- Polarity symbols molded on body
- Ideal for printed circuit board
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



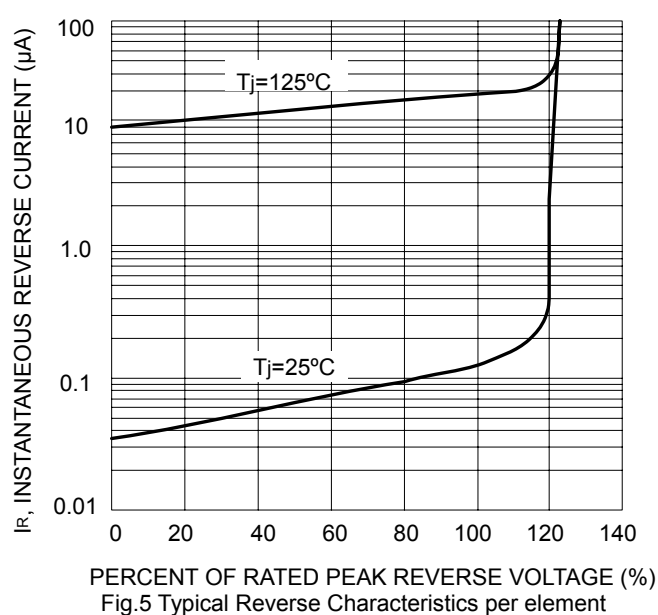
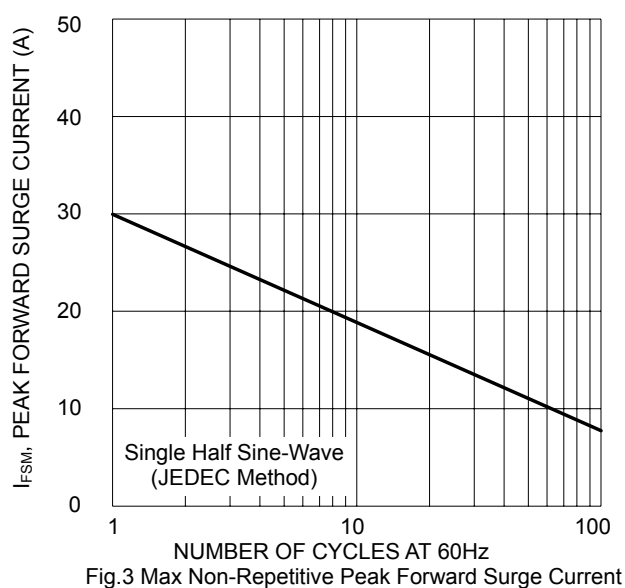
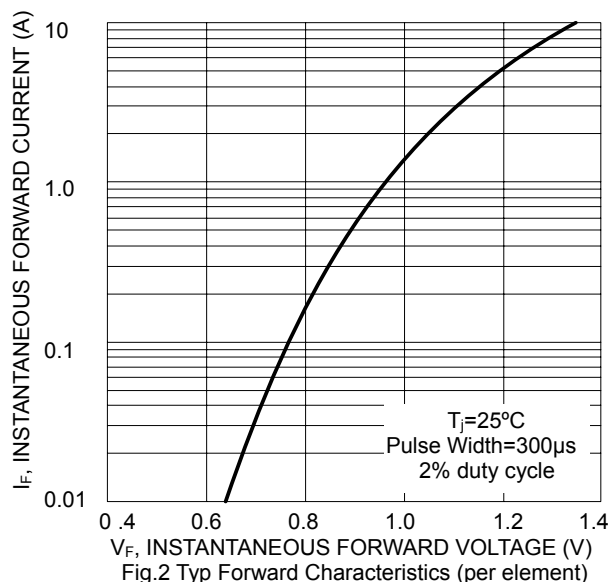
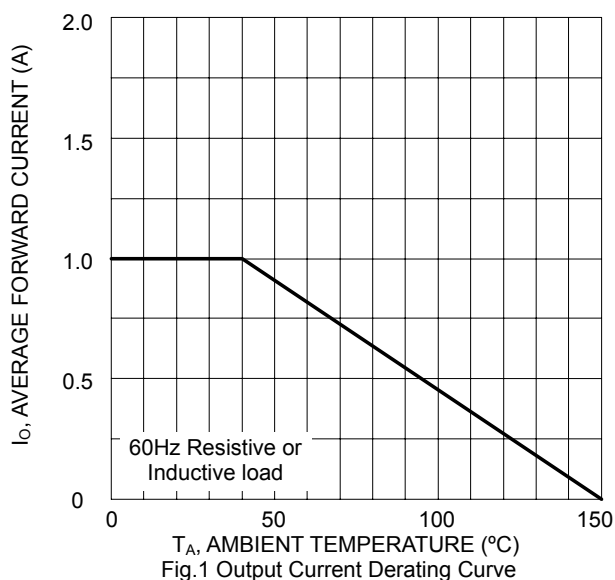
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	DB101S	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS 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 Current (see FIG.1)	$I_{F(AV)}$	1.0							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	30							A
Maximum Forward Voltage at 1.0 A	V_F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_J = 25^{\circ}C$ $T_J = 125^{\circ}C$	I_R	5 500							μA
Thermal Resistance	$R_{\theta JA}$	40							$^{\circ}C / W$
Operating Junction Temperature Range	T_J	-55 to +150							$^{\circ}C$
Storage Temperature Range	T_{STG}	-55 to +150							$^{\circ}C$

DB101S~DB107S

RATING AND CHARACTERISTIC CURVES



DB101S~DB107S

ORDER INFORMATION

- Packing information

Part Number	Case	DELIVERY MODE	QUANTITY
DB101S~DB107S	SDB-1	13 Inch	1500/Reel