

SEP ELECTRONIC CORP.

DF01 thru DF10

SURFACE MOUNT GLASS PASSIVATED BRIDEG RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Amperes

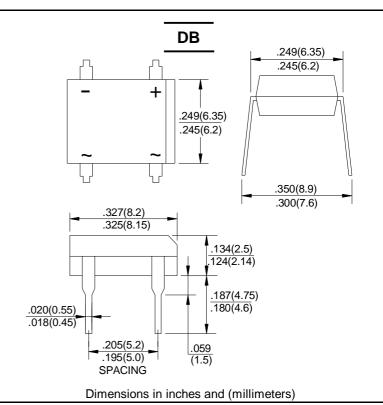
FEATURES

- ●Rating to 1000V PRV
- ●Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- ●Lead tin Pb/Sn copper
- The plastic material has UL flammability classification 94V-0

MECHANICAL DATA

Polarit: As marked on BodyWeight: 0.02 ounces,0.38 gras

Mounting position: Any



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, derate current by 20%

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CHARACTERISTICS	SYMBOL	DF01	DF02	DF04	DF05	DF06	DF08	DF10	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @Ta=40°C	I(AV)	1.0							А
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC .Method)	lғsм	50							А
Maximum Forward Voltage at 2.0A DC	VF	1.1							V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Blocking Voltage @TJ=125℃	lR	5 500							uA
I ² t Rating for Fusing (t<8.3ms)	l ² t	10.4							A ² s
Typical Junction capacitance Per Element(Note1)	CJ	25							pF
Typical Thermal Resistance (Note2)	Rejc	40							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}$
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}$

Note:1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC

2.Thermal resistance from junction to ambient mounted on P.C.B with 0.5*0.5"(13*13mm) copper pads.

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RATING AND CHARACTERISTIC CURVES DF01 thru DF10

