

GLASS PASSIVATED BRIDGE RECTIFIERS

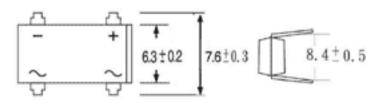
REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 1.0 Amperes

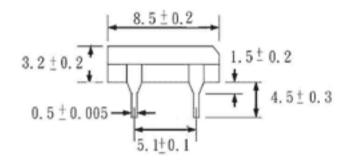
FEATURES

- 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

- · Polarity: As marked on Body
- Weight: 0.02 ounces, 0.38 grams
- · 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%

CHARACTERISTICS	SYMBOL	DF005	DF01	DF02	DF04	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 Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	IFSM	50							A
Maximum Forward Voltage at 1.0A DC	VF	1.1						٧	
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ=125°C	IR	10 500							uA
I t Rating for fusing (t<8.3ms)	J² t	10.4							A ² S
Typical Junction Capacitance per element (Note 1)	Ci	25							pF
Typical Thermal Resistance (Note 2)	Reja	40							°C/W
Operating Temperature Range	Ta	-55 to +150							°C
Storage Temperature Range	Тѕтс	-55 to +150							°C

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

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