SURFACE MOUNT **GLASS PASSIVATED BRIDGE RECTIFIERS**

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

FEATURES

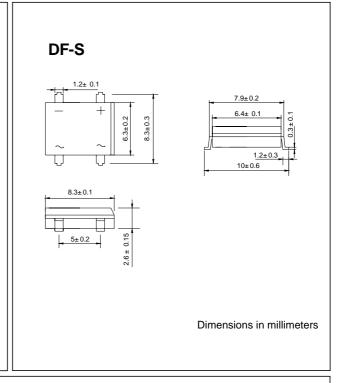
- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop high current capability.
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0
- UL recognized file

MECHANICAL DATA

• Polarity : As marked on Body

• Weight: 0.016 ounces, 0.45 grams

• Mounting position : Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings 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	DF005S	DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	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	٧
Maximum Average Forward Rectified Current @Ta=40°C	I F(AV)	1.0							Α
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I _{FSM}	50							А
Maximum forward Voltage at 1.0A DC	V _F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ = 25°C @TJ = 125°C	lR	10 500							μΑ
I ² t Rating for fusing (t < 8.3ms)	l ² t	10.4							A ² S
Typical Junction Capacitance per element (Note 1)	Cì	25							pF
Typical Thermal Resistance (Note 2)	Reja	40							°C/W
Operating Temperature Range	TJ	-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.

2. Thermal resistance from junction to ambient mounted on P.C.B with 0.5x0.5"(13x13mm) copper pads.

