

## SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

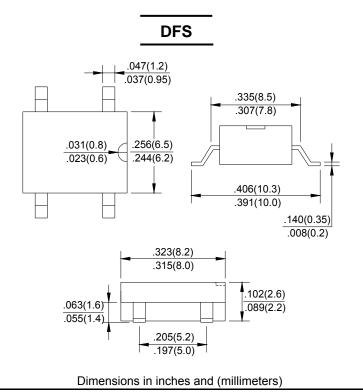
REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Ampere

#### **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

### **MECHANICAL DATA**

- Polarit: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%

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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	V
Maximum Average Forward  Rectified Current @Ta=40℃		I(AV)	1.0							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load		IFSM	30							A
Maximum Forward Voltage at 1.0A DC		VF	1.1							V
Maximum DC Reverse Current at Rated DC Bolcking Voltage	l R						μA			
I <sup>2</sup> t Rating for Fusing(t<8.3ms)		l <sup>2</sup> t	3.735							A <sup>2</sup> s
Typical Junction Capacitance Per Element (Note1)		CJ	25							pF
Typical Thermal Resistance (Note2)		Reja	40							°C/W
Operating Temperature Range		TJ	-55 to +150							$^{\circ}$ C
Storage Temperature Range		Тѕтс	-55 to +150							$^{\circ}$ C

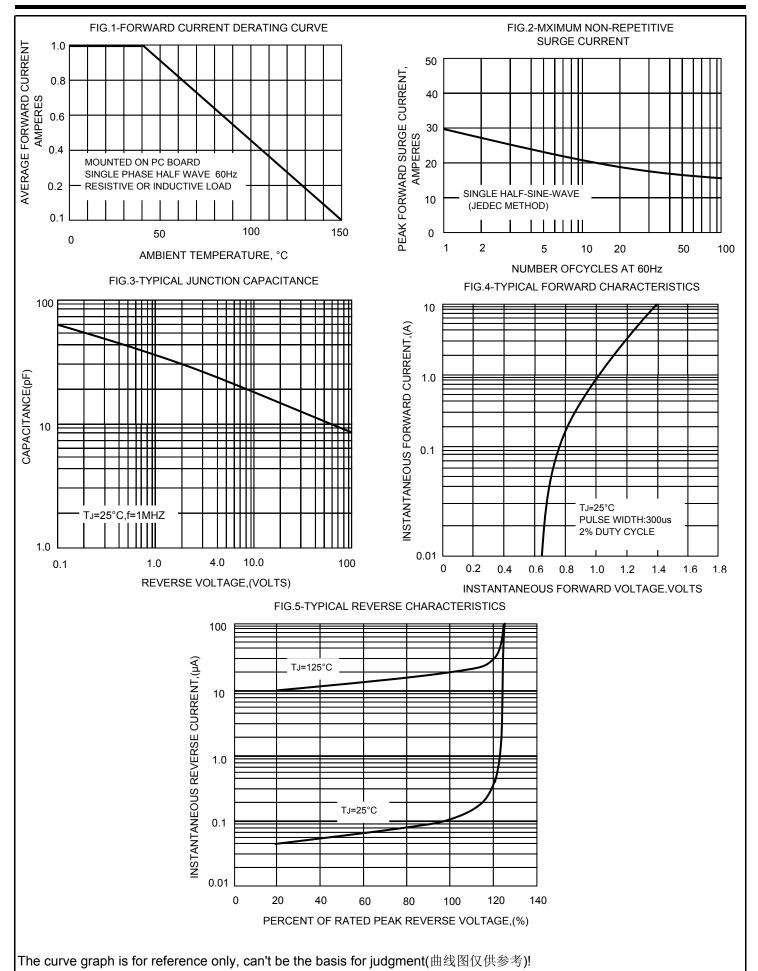
Note:1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC

- 2.Thermal resistance from junction to ambient mounted on P.C.B with 0.5\*0.5"(13\*13mm) copper pads.
- 3.The typical data above is for reference only(典型值仅供参考).

Rev. 7, 16-Mar-2016

# RATING AND CHARACTERISTIC CURVES DF005S thru DF10S





Rev. 7, 16-Mar-2016



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