SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

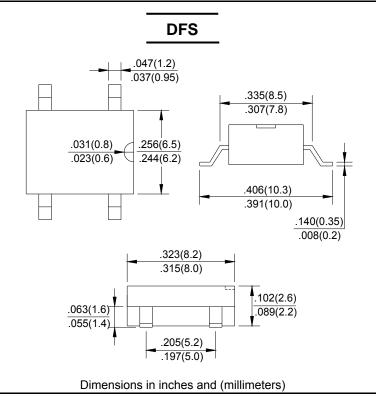
REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 2.0 Amperes

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

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℃ ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

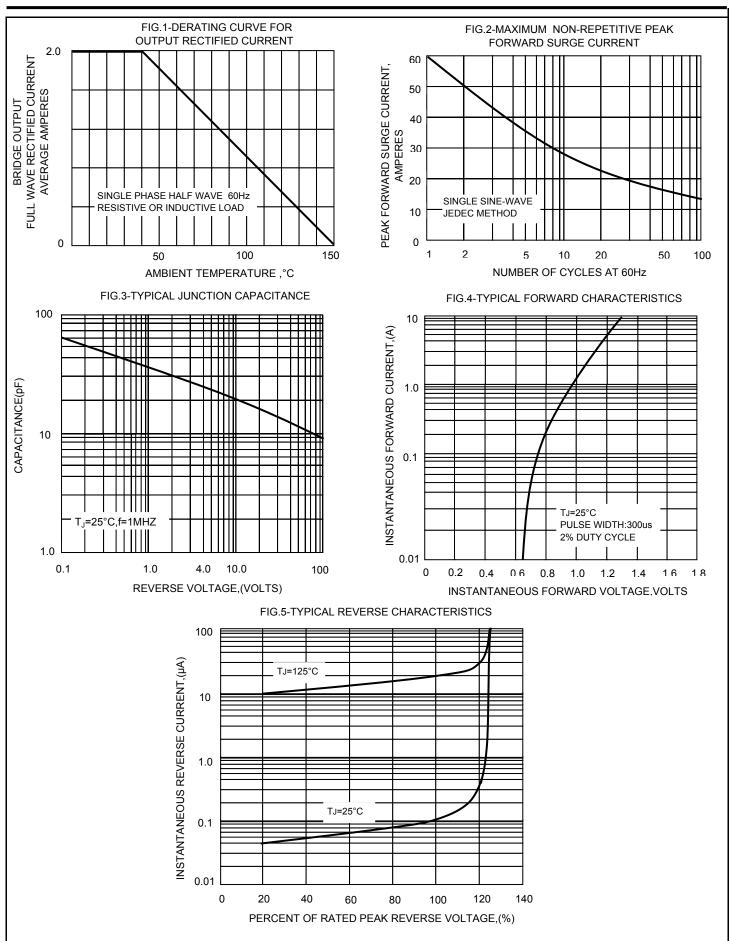
For capacitive load, derate current by 20%									
CHARACTERISTICS	SYMBOL	DF 2005S	DF 201S	DF 202S	DF 204S	DF 206S	DF 208S	DF 210S	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @Ta=40℃	l(AV)	2.0							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC .Method)	IFSM	60							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	10 500							μA
I ² t Rating for Fusing (t<8.3ms)	I ² t	14.94							A^2s
Typical Junction capacitance Per Element(Note1)	CJ	25							pF
Typical Thermal Resistance (Note2)	RөJA	40							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}$ C
Storage Temperature Range	Tstg	-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).

RATING AND CHARACTERISTIC CURVES DF2005S thru DF210S





The curve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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