

DF2005S ~ DF210S

 $\label{eq:Voltage 50 V \sim 1000 V} \\ 2.0 \ Amp \ Surface \ Mount \ Bridge \ Rectifiers$

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

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

MECHANICAL DATA

Polarity: As marked on BodyWeight: 0.02 ounces, 0.38 grams

Mounting position: Any

PACKAGE INFORMATION

Package	MPQ	Leader Size
DFS	1K	13 inch

DFS



REF.	Millimeter		REF.	Millimeter			
	Min.	Max.	KEF.	Min.	Max.		
Α	8.0	8.2	Е	0.9	1.2		
В	2.2	2.6	F	7.8	8.5		
С	6.2	6.2	G	5.0	5.2		
D	10.0	10.3	Н	0.2	0.4		

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, de-rate current by 20%.)

Parameter		Symbol	Ratings							
			DF 2005S	DF 201S	DF 202S	DF 204S	DF 206S	DF 208S	DF 210S	Unit
Peak Repetitive Peak Reverse Voltage		V_{RRM}	50	100	200	400	600	800	1000	V
Working Peak Reverse Voltage		V_{RMS}	35	70	140	280	420	560	700	V
DC Blocking Voltage		V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A =40℃		I _(AV)	2.0						А	
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)		I _{FSM}	60					А		
Maximum Forward Voltage @ 2 A DC		V _F	1.1					V		
Maximum DC Reverse Current	TJ=25℃	- I _R	10							
	T _J =125℃					500				μA
I ² t Rating for Fusing (t<8.3ms)		l ² t	10.4					A ² s		
Typical Junction Capacitance Per Element ¹		CJ	25					pF		
Typical Thermal Resistance ²		$R_{\theta JA}$	40						€ W	
Operating and Storage temperature range		T _J , T _{STG}	-55 ~ 150					C		

Note

- 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 V DC
- 2. Thermal resistance from junction to ambient mounted on P.C.B. with 0.5*0.5"(13*13mm) copper pads.

http://www.SeCoSGmbH.com/

Any changes of specification will not be informed individually.

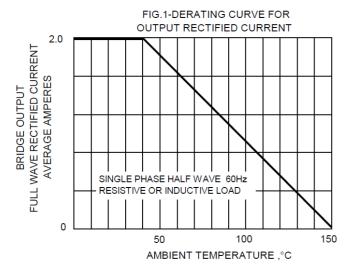
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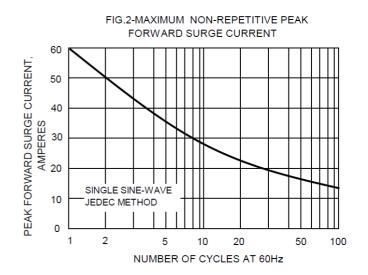


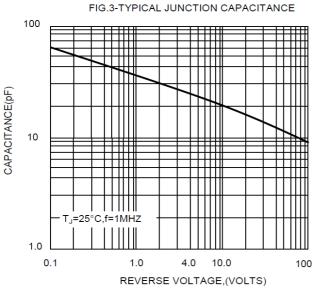
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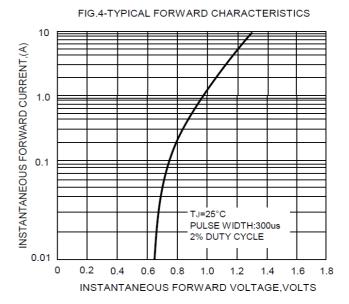
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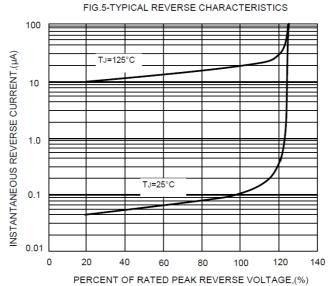
RATINGS AND CHARACTERISTIC CURVES











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