

SANYO

DFA08

Silicon Diffused Junction Type

## 0.8A Power Supply Rectifier

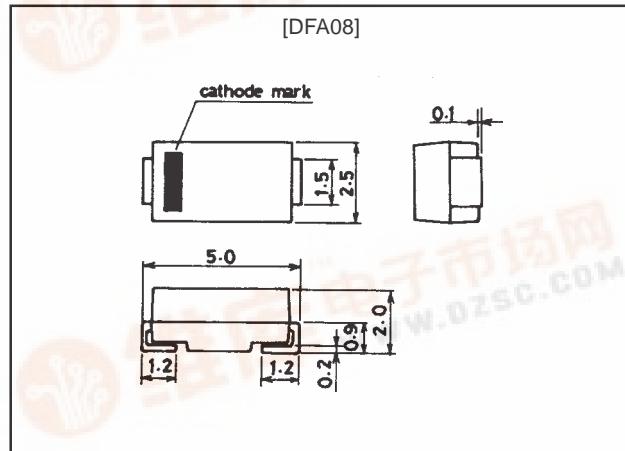
## Features

- High-speed switching use.
- Meets the requirements for automatic mounter and permits DFA08-applied sets to be made smaller.
- Peak reverse voltage:  $V_{RM}=200$  to 400V.
- Average rectified current:  $I_O=0.8A$ .

## Package Dimensions

unit:mm

1188



## Specifications

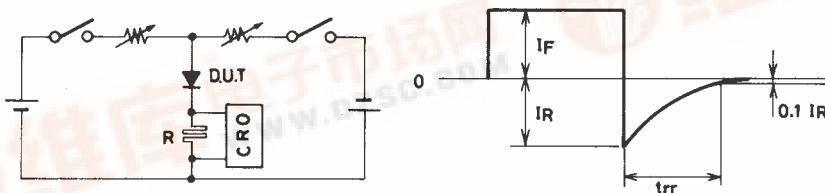
Absolute Maximum Ratings at  $T_a = 25^\circ C$ 

Parameter	Symbol	Conditions	DFA08C	DFA08E	Unit
Peak Reverse Voltage	$V_{RM}$		200	400	V
Average Rectified Current	$I_O$	50Hz sine wave, mounted on alumina board	→	0.8	A
		Load resistor, mounted on PCB	→	0.62	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, non-repetitive, 1 cycle peak value	→	25	A
Junction Temperature	$T_j$		→	150	$^\circ C$
Storage Temperature	$T_{stg}$		→	-55 to +150	$^\circ C$

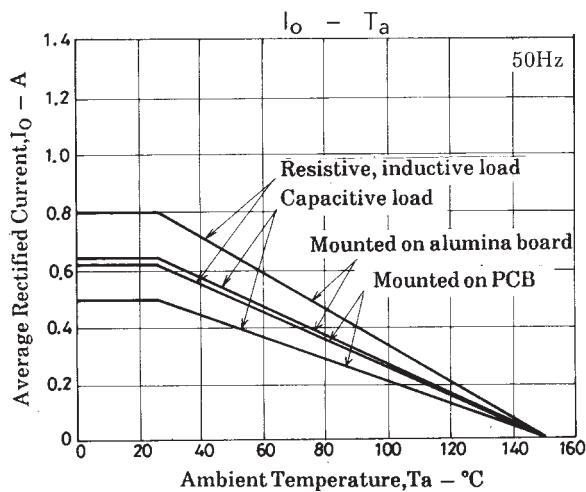
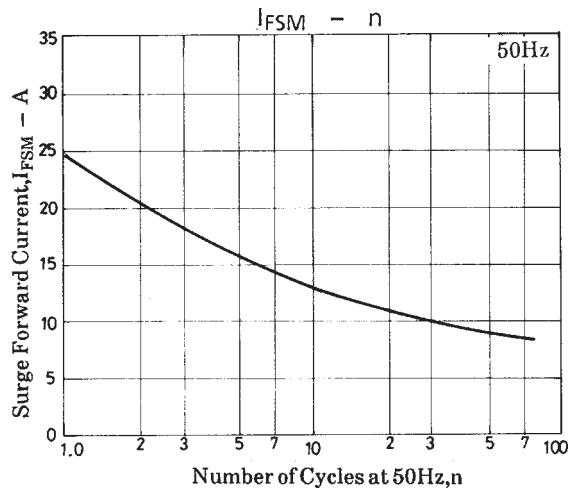
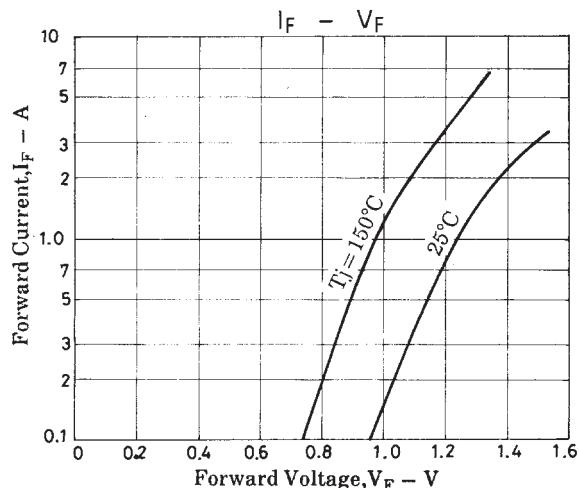
Electrical Characteristics at  $T_a = 25^\circ C$ 

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F=0.8A$			1.2	V
Reverse Current	$I_R$	$V_R=V_{RM}$			10	$\mu A$
Reverse Recovery Time	trr	$I_F=0.1A$ , $I_R=0.3A$			300	ns
Thermal Resistance	$\theta_{j-l}$	Junction-Lead			23	$^\circ C/W$
	$\theta_{j-a}$	Junction-Ambient Mounted on alumina board Mounted on PCB			108	$^\circ C/W$
					157	$^\circ C/W$

## Reverse Recovery Time Test Circuit



## DFA08



■ No products described or contained herein are intended for use in surgical implants, life-support systems, aerospace equipment, nuclear power control systems, vehicles, disaster/crime-prevention equipment and the like, the failure of which may directly or indirectly cause injury, death or property loss.

■ Anyone purchasing any products described or contained herein for an above-mentioned use shall:

① Accept full responsibility and indemnify and defend SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors and all their officers and employees, jointly and severally, against any and all claims and litigation and all damages, cost and expenses associated with such use;

② Not impose any responsibility for any fault or negligence which may be cited in any such claim or litigation on SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors or any of their officers and employees jointly or severally.

■ Information (including circuit diagrams and circuit parameters) herein is for example only; it is not guaranteed for volume production. SANYO believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.