

**DFA08**

Silicon Diffused Junction Type

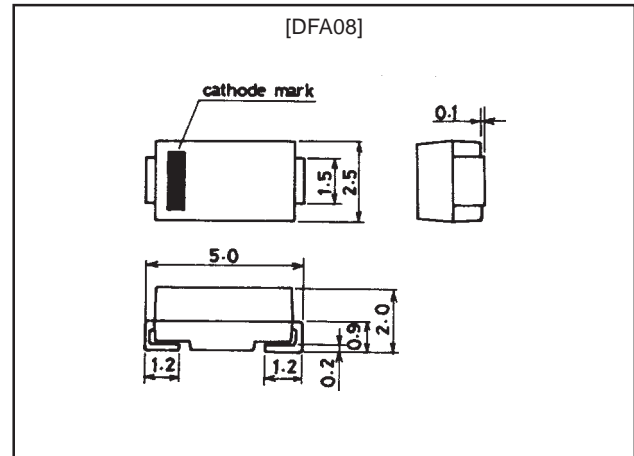
0.8A Power Supply Rectifier**Features**

- 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

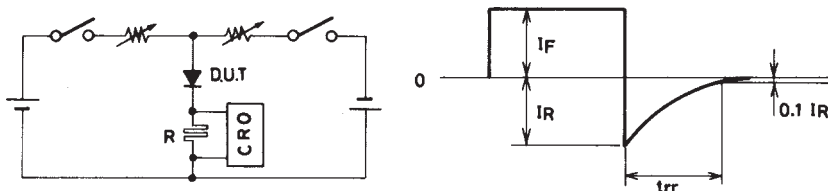
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**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ C$**

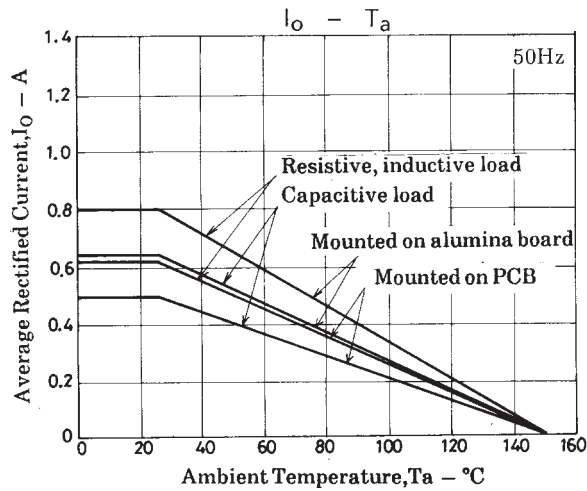
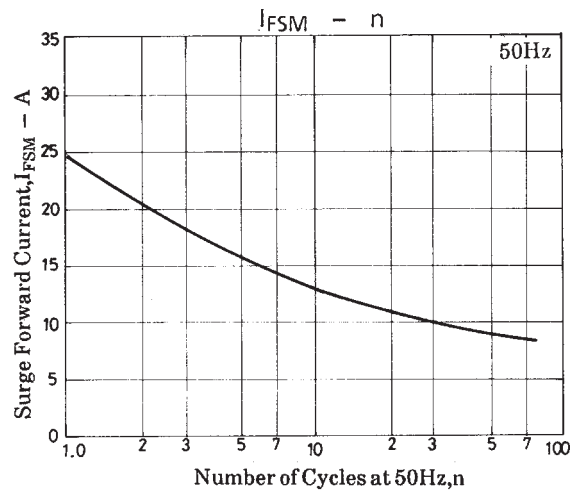
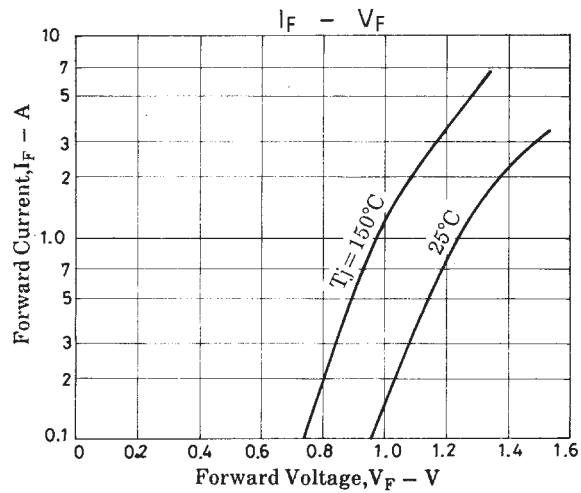
Parameter	Symbol	Conditions	DFA08C	DFA08E	Unit
Peak Reverse Voltage	V_{RM}		200	400	V
Average Rectified Current	I_O	50Hz sine wave, mounted on alumina board	→	0.8	A
		Load resistor, mounted on PCB	→	0.62	A
Surge Forward Current	I_{FSM}	50Hz sine wave, non-repetitive, 1 cycle peak value	→	25	A
Junction 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	μA
Reverse Recovery Time	t_{rr}	$I_F=0.1A, I_R=0.3A$			300	ns
Thermal Resistance	θ_{j-l}	Junction-Lead			23	$^\circ C/W$
	θ_{j-a}	Junction-Ambient Mounted on alumina board			108	$^\circ C/W$
		Mounted on PCB			157	$^\circ C/W$

Reverse Recovery Time Test Circuit

DFA08



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