

**DLA11C**

Silicon Diffused Junction Type

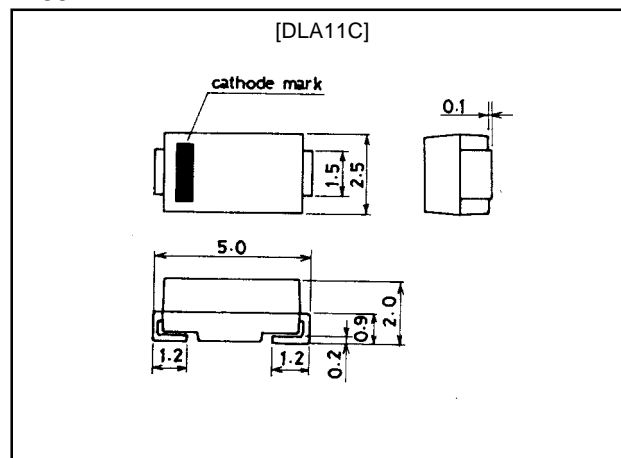
1.1A Ultrahigh-Speed Rectifier**Features**

- Supports automatic mounting and permits DLA11C-applied sets to be made smaller.
- Fast reverse recovery time and small switching loss.
- Peak reverse voltage : $V_{RM}=200V$.
- Average rectified current : $I_O=1.1A$.

Package Dimensions

unit:mm

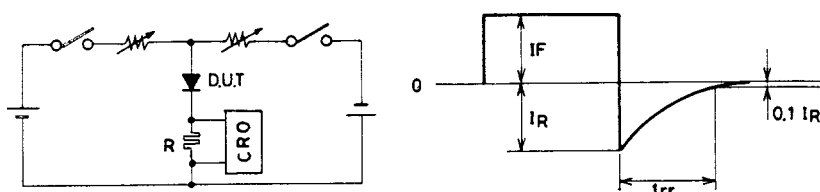
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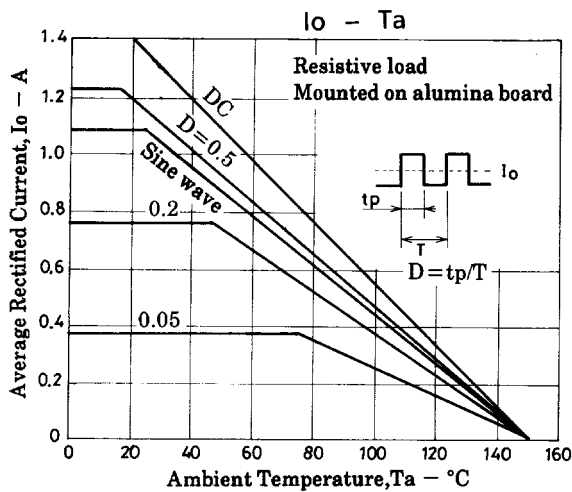
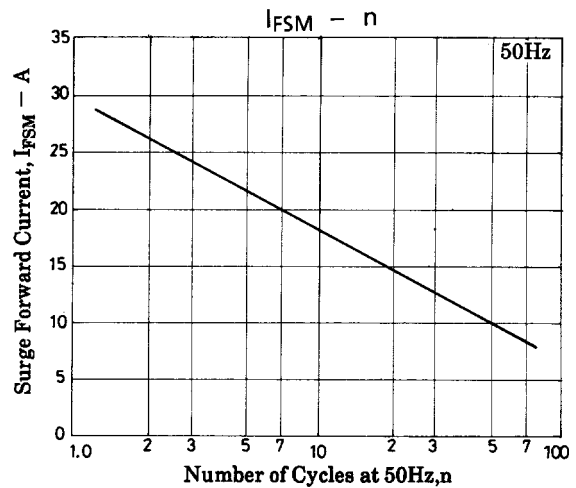
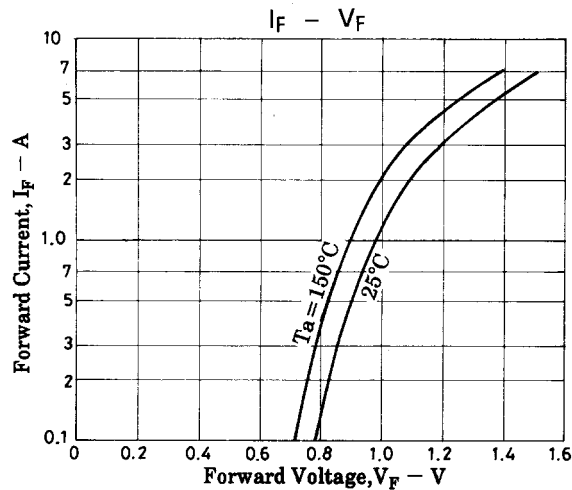
**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ C$**

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		200	V
Average Rectified Current	I_O	50Hz sine wave, mounted on alumina board	1.1	A
		Resistive load resistor, mounted on PCB	0.84	A
Surge Forward Current	I_{FSM}	50Hz sine wave, nonrepetitive, 1 cycle peak value	30	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	$I_F=1.1A$			0.98	V
Reverse Current	I_R	$V_R=200V$			10	μA
Reverse Recovery Time	t_{rr}	$I_F=0.5A, I_R=1A$			50	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 CircuitUnit (resistance: Ω , capacitance:F)



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