

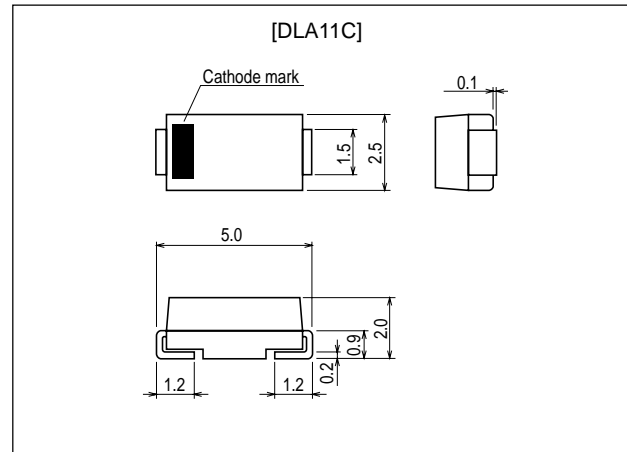
**DLA11C****1.1A Ultrahigh-Speed Rectifier****Features**

- 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

1188

**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	$^\circ C$

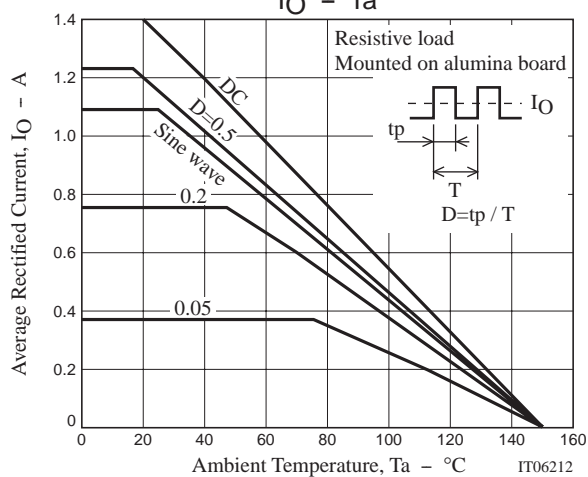
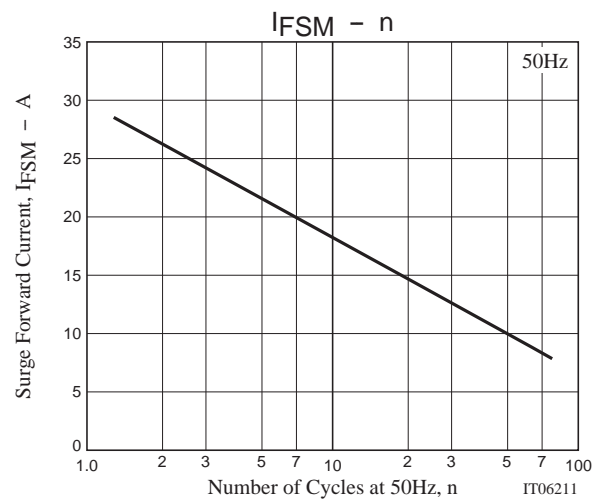
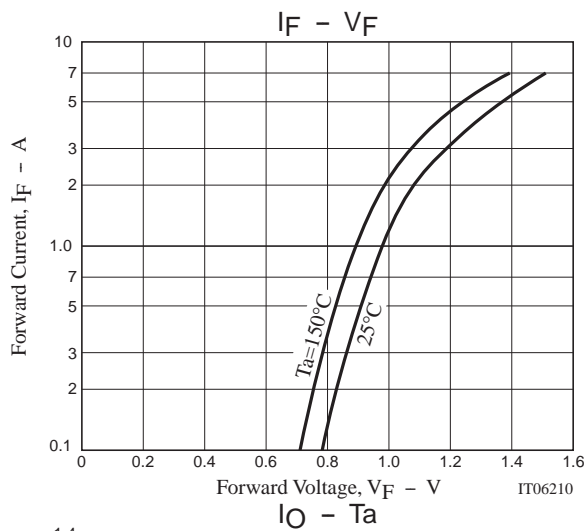
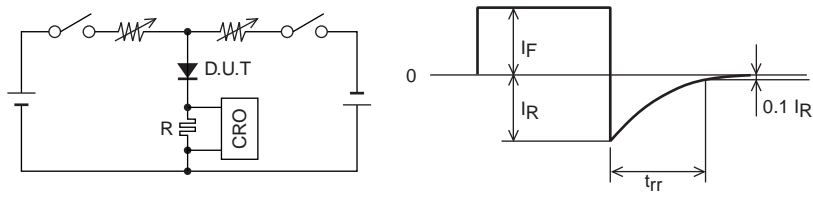
**Electrical Characteristics** at  $T_a=25^\circ C$ 

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	$\mu A$
Reverse Recovery Time	$t_{rr}$	$I_F=0.5A, I_R=1A$			50	ns
Thermal Resistance	$\theta_{j-l}$	Junction-Lead			23	$^\circ C / W$
	$\theta_{j-a}$	Junction-Ambient Mounted on alumina board			108	$^\circ C / W$
		Mounted on PCB			157	$^\circ C / W$

Marking : LA

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## Reverse Recovery Time Test Circuit



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