



1.1A Ultrahigh-Speed Rectifier

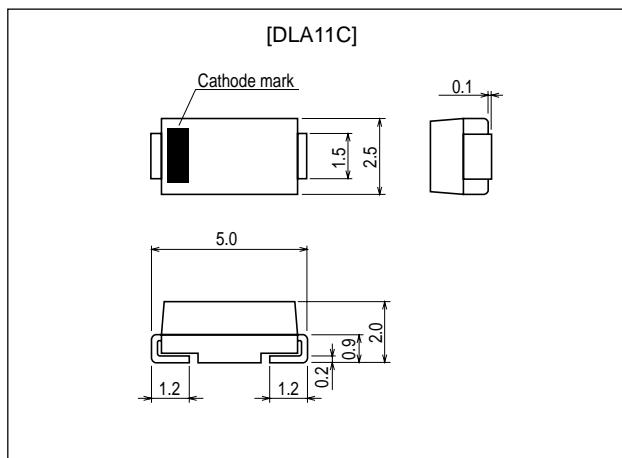
Features

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

Package Dimensions

unit : mm

1188



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
Peak Reverse Voltage	VRM		200			V
Average Rectified Current	IO	50Hz sine wave, mounted on alumina board	1.1			A
		Resistive load resistor, mounted on PCB	0.84			A
Surge Forward Current	IFSM	50Hz sine wave, nonrepetitive, 1 cycle peak value	30			A
Junction Temperature	T _j		150			°C
Storage Temperature	T _{stg}		-55 to +150			°C

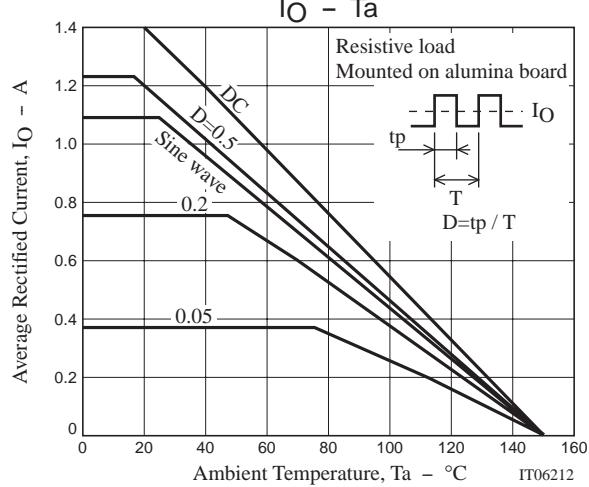
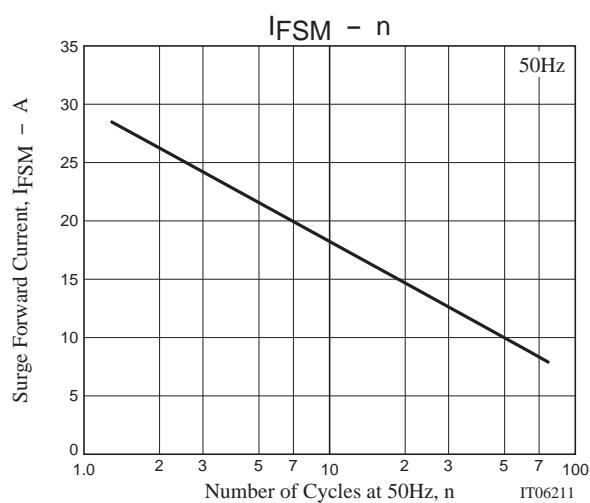
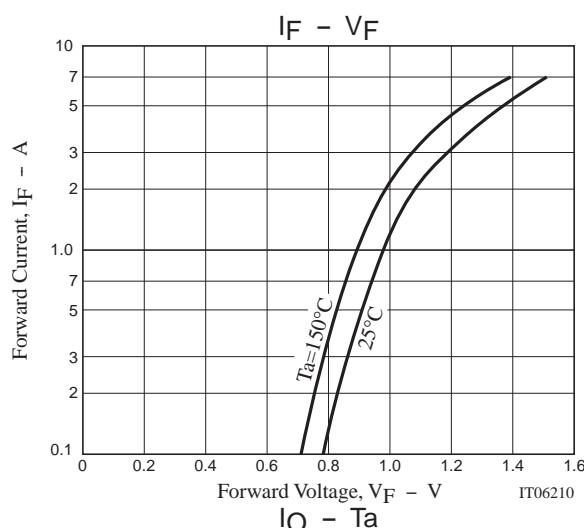
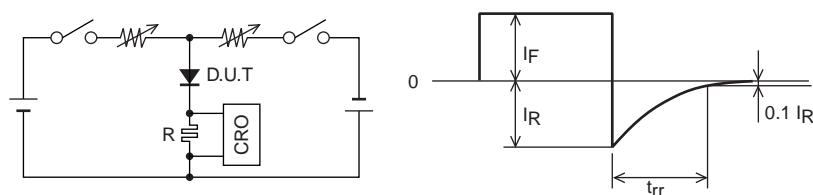
Electrical Characteristics at Ta=25°C

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	°C / W
	θ _{j-a}	Junction-Ambient Mounted on alumina board			108	°C / W
Marking : LA					157	°C / W

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Reverse Recovery Time Test Circuit



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