Ordering number : ENN634E

Diffused Junction Type Silicon Diode

DSA26

2.6A Power Rectifier

Features

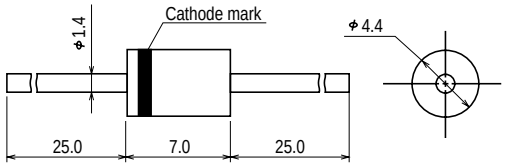
- Plastic molded type.
- Glass passivation for high reliability.
- Peak reverse voltage : V_{RM}=200, 600V.
- Average rectified current : I_O=2.6A.

Package Dimensions

unit : mm

1086

[DSA26]



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	DSA26C	DSA26G	Unit
Peak Reverse Voltage	V_{RM}		200	600	V
Average Recitified Current	I_O	Ta=40°C	→	2.6	A
		Ta=40°C, with 2 Cu fins of 20×20×1mm^3	→	3.5	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	120	A
Junction Temperature	Tj		→	150	°C
Storage Temperature	Tstg		→	-30 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	I_F=2.6A			1.05	V
Reverse Current	I_R	V_R : At each V_{RM}			10.0	μA

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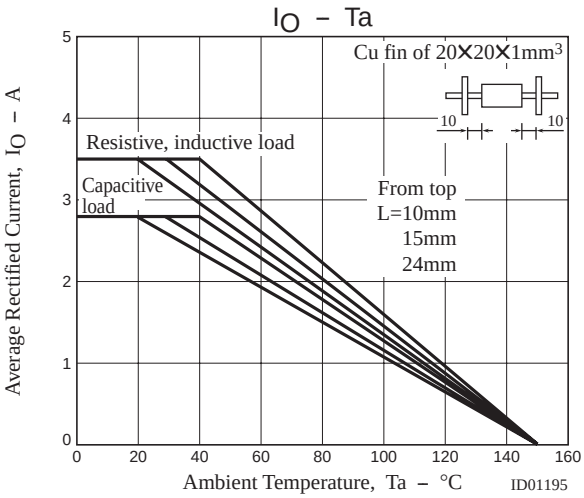
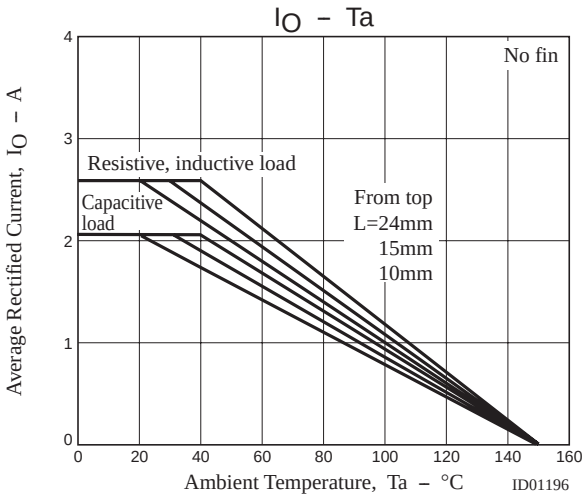
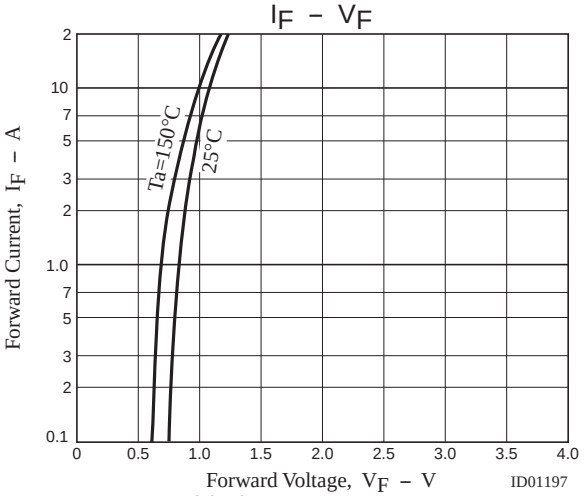
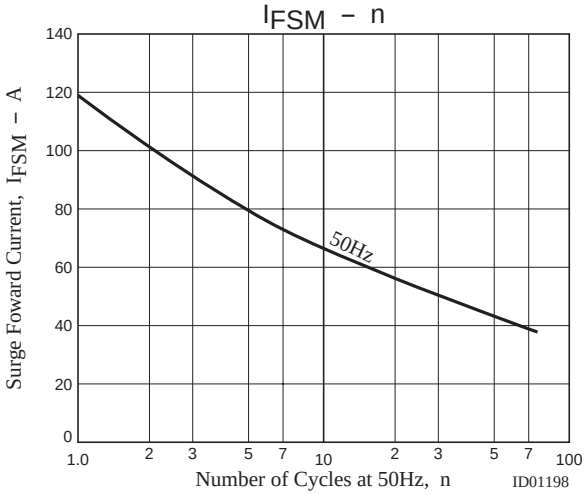
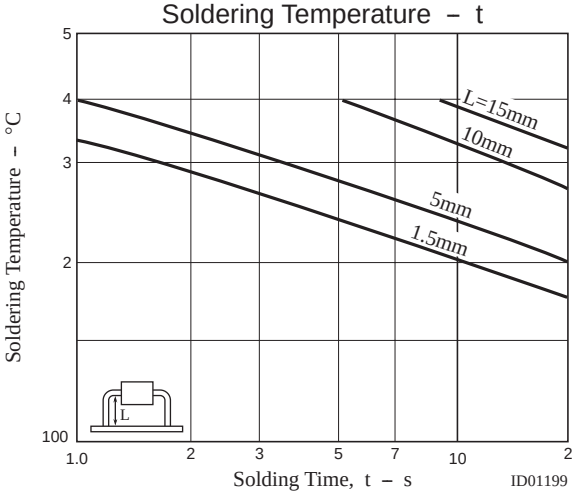

IO – Ta
Cu fin of 20×20×1mm3
10
10
Resistive, inductive load
Capacitive load
From top
L=10mm
15mm
24mm
Average Rectified Current, IO – A
Ambient Temperature, Ta – °C
ID01195


IO – Ta
No fin
Resistive, inductive load
Capacitive load
From top
L=24mm
15mm
10mm
Average Rectified Current, IO – A
Ambient Temperature, Ta – °C
ID01196


IF – VF
Ta=150°C
25°C
Forward Current, IF – A
Forward Voltage, VF – V
ID01197


IFSM – n
50Hz
Surge Foward Current, IFSM – A
Number of Cycles at 50Hz, n
ID01198


Soldering Temperature – t
L=15mm
10mm
5mm
1.5mm
L
Soldering Temperature – °C
Solding Time, t – s
ID01199