



SANYO Semiconductors

## DATA SHEET

# DSK10

Diffused Junction Type Silicon Diode  
Designed for 5mm-pitch Automatic Insertion

## 1.0A Power Rectifier

### Features

- Designed for 5mm-pitch automatic insertion.
- Small plastic molded structure (3mm body).
- Peak reverse voltage : 100 to 400V.
- Average output current : 1.0A.

### Specifications

#### Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	DSK10B	DSK10C	DSK10E	Unit
Peak Reverse Voltage	$V_{RM}$		100	200	400	V
Average Output Current	$I_O$		1.0			A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, 1cycle	45			A
Junction Temperature	$T_J$		150			°C
Storage Temperature	$T_{stg}$		-40 to +150			°C

#### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F=1.0A$			1.1	V
Reverse Current	$I_R$	$V_R$ : At each $V_{RM}$			10	μA

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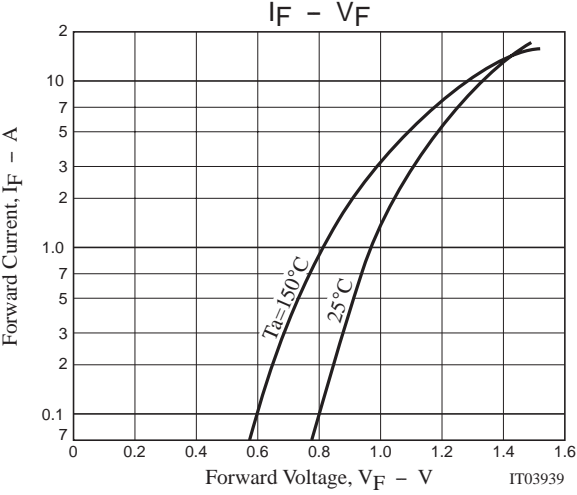
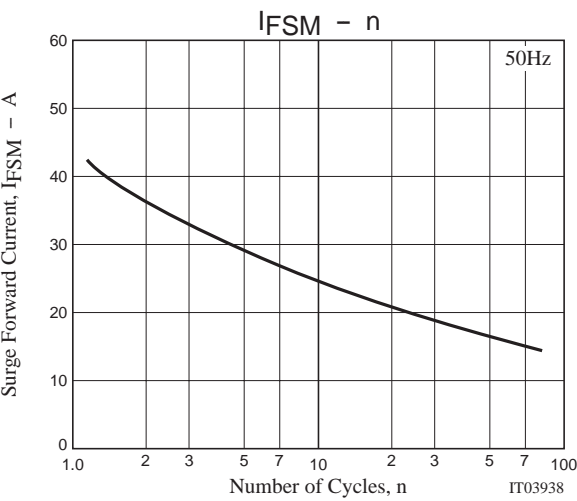
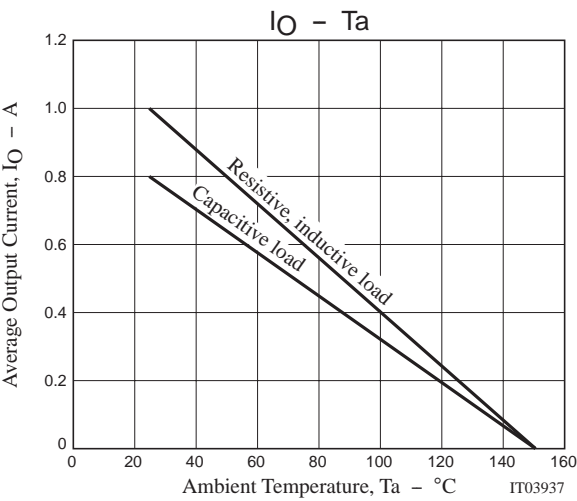
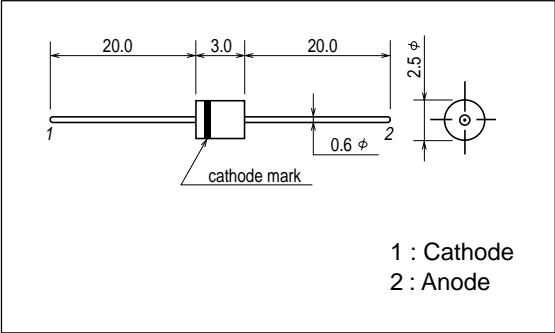
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**SANYO Semiconductor Co., Ltd.**

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Package Dimensions

unit : mm (typ)  
7809-001



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