



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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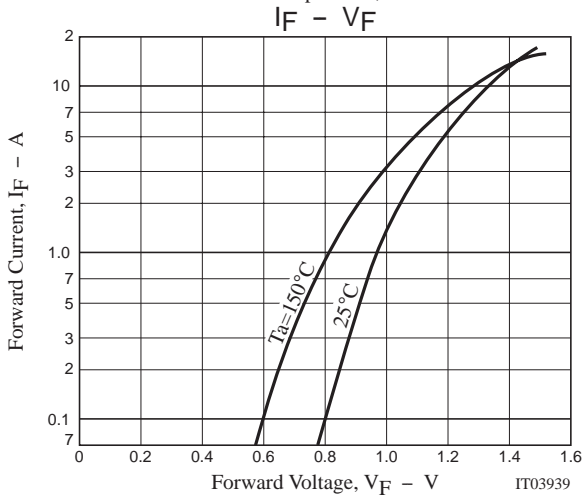
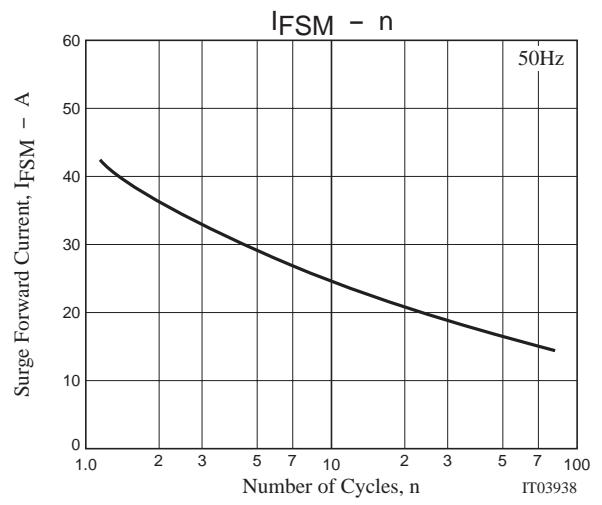
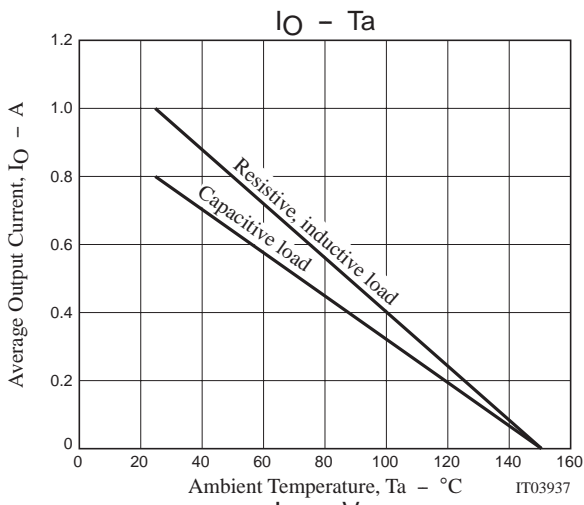
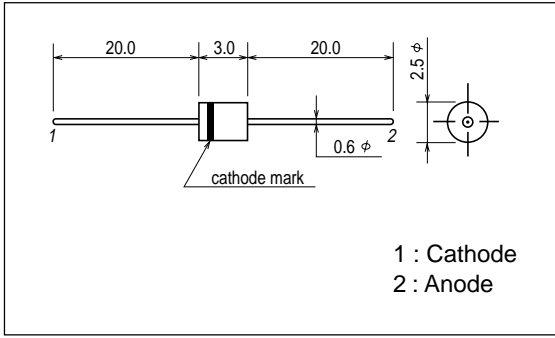
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DSK10

Package Dimensions

unit : mm (typ)

7809-001



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